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| **Angu Aravind Chandrasekaran,**  **Cloud Data Engineer|Business Data SME| Data Science & ML**  **Cell: 470-826-9796**  **email: cvaravind26@gmail.com** | **A blue and white logo  Description automatically generated** A picture containing text, sign  Description automatically generated |
| *Passionate Data Engineer guiding Fortune 100 clients by Designing business solutions working with business& IT, developing ETL pipelines, analyzing, integrating and interpreting complex datasets to drive actionable insights and support informed business decisions. Proven track record of delivering high-quality analytical outputs within tight deadlines. Working in cross-functional teams, managing software development. Committed to utilizing data-driven approaches business performance and maximize operational efficiency.*  ***Fortune 500 Clients :*** *Siemens, Emirates, Mercedes Benz, Indian Premier League (IPL)* | |

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| ***CORE COMPETENCIES*** |

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| Data Analytics(SQL),Alteryx | Visualization(Tableau, PowerBI) | | Data Modeling(Erwin) | ROI Analysis & KPI |
| Product Owner/Business Analyst | Migration & Integration | | AWS, Azure , Governance | Leading Collaborative Teams |
| Snowflake, Databricks | Machine Learning | | Stakeholder Engagement | Waterfall, Agile |
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***TECHNICAL SKILLS***

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| Programming | Python, R, PySpark |
| Database | Oracle, MySQL |
| Tools | Snowflake, Alteryx, DBT, Databricks |
| Cloud | AWS (S3, Redshift, Glue), Azure (ADLS Gen2, Data Factory, Synapse Analytics) |
| Reporting | Tableau, Power BI, DOMO, Python (Matplotlib, Seaborn, Plotly) |
| Methodologies | Waterfall, Agile |
| Data Science | Data Science with Python (Numpy, Pandas, Scipy)  Machine Learning with Python (Sklearn), Natural Language Processing (NLTK, spaCy) |
| Scrum Ceremonies | Sprint planning meeting, Daily Scrum, Sprint review meeting, and Sprint retrospective meeting, Backlog refinement |
| IDE | Jupyter Notebook, Spyder, PyCharm |
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***KEY PROJECT MANAGEMENT ACCOMPLISHMENTS***

* Recognized for leading $6 Million budget projects: delivering on-time and on budget.
* Led successful engagements that resulted in increasing business value, efficiency of enterprise applications.
* Substantial experience of project management delivery of SaaS and PaaS platforms (Azure, AWS, Google etc) within IT infrastructure and software development environments
* Managed projects that use the technologies such as Snowflake, Power BI, Machine Learning, Azure, and AWS.

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***EXPERIENCE***

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| Siemens, Atlanta, GA , | *March 2022– Present* |

**Snowflake Data Engineer | Cloud Engineering**

***Enabled data provisioning and business use access leveraging engineering integrations for Siemens Data Platforms and Business Applications teams to be successful in consuming data insights and operational effectiveness close to 50M$ investment for the program***

* Collaborated with data engineering team to design and implement scalable Snowflake data warehousing solution.
* Worked on data sets related to Labor Management (Employees, HR, HCM, People & Analytics) , Workday, SAP in Snowflake
* Conducted end-to-end data migration and analysis using Snowflake, performing data extraction, loading and transformation to ensure data accuracy and integrity.
* Data migration from SAP system, MySQL data source to Snowflake data warehouse using Azure Data Factory integration with the data sources.
* Applied Snow-pipe, Time Travel, Zero-Copy Cloning, Task, Stream, and Data Sharing features of Snowflake.
* Collaborated with cross-functional teams, including data engineers and business analysts, to gather requirements and translate business needs into analytical solutions.
* Conducted comprehensive data profiling to identify data quality issues, inconsistencies, and anomalies, ensuring accuracy and reliability of analytical outputs.
* Developed and implemented data cleansing rules to handle missing values, outliers, and inconsistencies, ensuring data quality and accuracy.
* Applied various data transformation techniques like feature scaling, normalization, feature engineering, encoding, to prepare data for modelling and analysis leveraging SQL Server (SSMS)
* Created interactive dashboards and reports using business intelligence tools like Power BI, providing visual representation of key metrics and trends.
* Led data visualization initiatives using Power BI, creating interactive dashboards and reports to communicate key metrics and trends to stakeholders.
* Proactively communicate the project’s progress on an on-going basis, ensuring transparency throughout project lifecycle.

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| |  |  | | --- | --- | | Ameris Bancorp, Atlanta, GA , | *nov 2020– Present* | |  | |
| Data Engineering Consultant | |  |

* Led a project to optimize the Snowflake data warehouse architecture resulting in a 30% improvement in query performance and reduced data retrieval time.
* Designed and implemented an automated ETL pipeline using Snowpipe and AWS S3, reducing data processing time by 50% and improving data freshness.
* Developed complex SQL queries and optimized data transformation process in Snowflake to generate actionable insights and reports for stakeholders.
* Conducted statistical analyses to uncover key insights and trends to Up-To-Date Index rate table.
* Led development and implementation of predictive models for Market rate capture, resulting in rate index report.
* Calculating KPIs for daily, weekly, monthly basis by applying multiple functions to the data points.
* Collaborated with cross-functional teams to define data requirements and create data visualizations using Tableau and Power BI.
* Performed role of Scrum Master, facilitated daily stand ups, sprint planning, sprint reviews and retrospectives.

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| Automobile Industry (NDA Signed), Chennai, India, | *Feb 2018 – Sept 2020* | | |
| Data Engineering & Analytics   * Working as a part of Research and Development team, collaborating with business subject matter experts to build an automated Data Science platform. * Assisted in collecting and preprocessing data for ML model development, ensuring data quality and integrity. * Developed and implemented machine learning algorithms to enhance product performance, resulting in 15% improvement in accuracy and customer satisfaction. * Assessed and streamlined the product development workflow using scrum framework to structure and manage the task, resulting in a 20% increase in a 20% increase in team’s productivity and meeting deadline prior to schedule. * Conducted experiments and performed model evaluation to analyse performance and identify areas of interest. * Lead AI team for development by assigning tasks and monitoring the progress. * Interacted with Business Analysts, SMEs for collecting the requirement in each phase of the product, to customize design and construct the application modules. * Writing Test Plan, test Strategy and designing test cases, executing the designed Test Cases, and evaluating test results. * Extensively supported the product and executive teams by sharing weekly reports and conducting engaging product feature demos. | | |  |
| Emirates, Chennai, India, | *Jan 2017 – FEB 2018* | | |
| Sr Data Analyst | |  | |

* Collaborate with business team and subject matter experts to determine data need, data availability and to develop custom and ad-hoc reports.
* Applying data cleansing and data-preprocessing techniques to get valuable data.
* Performing exploratory data analysis for obtaining insights using visualization tools.
* Deployed machine learning approaches for customer classification.
* Building a recommendation system for customer interest and providing offers accordingly.
* Proficient in analyzing customer reviews using natural language processing techniques to determine sentiment and extract valuable insights.
* Developing KPIs for business strategy and planning. Creating dashboards and reports.
* Communicated project status to Managers, team members, and TPMs by preparing standard status reports, and by participating in project status update meetings.
* Resolved project issues by working with team members, Product Managers, and others as appropriate.

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| HCL Talent Care, Chennai, India, *April 2016 - Nov 2016* |  |
| Business Intelligence Consultant |  |

* Propose and implement efficient process to ensure consistency of qualitative and quantitative data while reducing the work for the HR correspondents.
* Cross-regional co-ordination and analysis of key HR programs including pay planning, performance management, talent management and employee survey reports.
* Maintains the metrics dashboard for distinct teams and priority areas and ensure the most strategic metrics and reviewed frequently.
* Worked on statistical tools and techniques to summarize the data and get the employee performance, hiring strategy, and business needs.
* Create reports and documents and present it to the HR managers and Business Development Managers.

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| Indian Premier League, Chennai, India *Feb 2015 - MARCH 2016* |  |
| Jr.Data Analyst |  |

* Gather IPL matches data from reliable data sources by web scraping techniques using Python libraries.
* Collect player performance, match result, venue, team information and other relevant data.
* Clean data by handling missing values, outliers, and inconsistencies.
* Normalize and transform the data as required for analysis.
* Conduct statistical analysis and visualization to identify key trends, player performance patterns and team dynamics.
* Create interactive dashboards and visualization to showcase player and team performance using Tableau.
* Create reports and documentation on KPIs and present it to the team management.

***CERTIFICATIONS***

* SnowPro Core Certification
* Alteryx Designer Core Certified
* Diploma in Business Data Analytics – Imarticus Learning, Chennai

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| ***EDUCATION*** |  |

2015 B.Tech IT Anna University, India

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