VASANTH PERAMBUDUR

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EDUCATION

Arkansas State University, AR   **JAN 2022- May 2023**
Masters (MS), Engineering Management (Stem Course)   **GPA: 3.6/4.0**
- **Course Work:** Administrative skills, Inventory Control & Environments, Processes Implementation, Quality control Improvement, Time Management, Project Management, Artificial Intelligence, and computational tools.

Chaitanya Bharathi Institute of Technology , Hyderabad, India   **May 2021**
Bachelor of Engineering (BS), Information Technology   **GPA: 3.0/4.0**
- **Coursework**: Data Structures, Database Management Systems (MySQL, SQL Server), Artificial Intelligence, Operating Systems, Design & Analysis of Algorithms, Software Engineering (Agile, Scrum, Waterfall), Fusion 360, Solid Works, Ansys.

SKILLS

- **Programming Languages** – Java, J2EE, Python, R, C, C++
- **Web Technologies**--JavaScript, HTML5, CSS3, Bootstrap, React.js, Node.js, Angular, Dot Net, JBoss.
- **Certifications** – Microsoft Azure Certified.
- **Databases** – MySQL, Microsoft SQL Server, PLSQL, MongoDB, AWS
- **Techniques** – Cause and effect Diagram, Queuing, PLC.

- **Libraries** – NumPy, Pandas, Scikit-Learn
- **Framework**- Django, Flask, REST, Spring Boot
- **Tools/IDEs** – Tableau, Eclipse, Visual Studio, SSMS, PyCharm, Jupyter Notebook, MySQL Workbench.
- **Techniques & skills**– Control charts, Microservices, CAD/CAM, Inventory planning

RELEVANT EXPERIENCE

Tek Solve IT Solutions, South Carolina, USA: Software Developer   *June 2022 – Present*
- Develop and implement user interfaces using HTML5, CSS3, and JavaScript frameworks like Angular, React, or Vue.js.
- Collaborate with cross-functional teams, including UI/UX designers, product managers, and other developers.
- Develop and integrate RESTful API to facilitate communication between the front-end and back-end systems.
- Involved in the implementation of RESTFUL web service API using Node.js with Express.
- Conduct unit testing, integration testing, and end-to-end testing to ensure the application works as expected.
- Identify and fix bugs, performance issues, and bottlenecks in both front-end and back-end code.
- Use version control systems like Git to manage source code and collaborate with other developers effectively.
- Deploy and manage the application on servers and cloud platforms like AWS, Azure.

Global Tech Solutions, Hyderabad, India: Java Developer   *September 2019 – November 2021*
- Involved in designing, developing & testing the web application by using HTML5, CSS3, vue.js Angular 10, JavaScript, Bootstrap, and NodeJS.
- Design scalable and robust software architecture to ensure the application meets current and future business needs.
- Set up CI/CD pipelines to automate the development, testing, and deployment processes.
- Worked on MongoDB database concepts such as locking, transactions, indexes, sharding, replication, and schema design.
- Used MongoDB internal tools like Mongo Compass, Mongo Atlas Manager & Ops Manager, Cloud Manager, etc. Conducted extensive Data Validation, Data Verification against the source, staging, and Target tables.
- Use version control systems (e.g., Git) to manage the codebase and collaborate effectively with other developers.

Caterpillar Inc, Hyderabad, India: Technical Engineer   *October 2016 –March 2018*
- Performed preventive maintenance on Caterpillar equipment, including hydraulic systems and electrical components.
- Troubleshot mechanical problems using technical knowledge of machinery functions and applied appropriate corrective actions to resolve issues.
- Promotes clean shipping supply area by complying with procedures, rules, and regulations.
- Maintained a clean work environment by following safety procedures and adhering to company policies regarding waste disposal, maintenance plans, etc.

TECHNICAL EXPERIENCE (PROJECTS)

A CASE STUDY OF BUYING A NEW CAR USING PROJECT MANAGEMENT METHODOLOGIES   **Oct 2022**
- Estimate the whole automobile budget by chatting with previous products and using a few common full scenarios
- Executing efficient cost estimating first permits moderately estimated costs in conjunction with the pricing structure.

Game Review Analysis and Psychological Impact of Gaming   **Dec 2021**
- Conducted Interactive Visualization providing insights on gamers' opinion about most popular games from 60,000 reviews.
- Evaluated Visualizes gamers'-game anxiety, social phobia and other psychological aspects based on an authorized survey.

CBIT Market Place (Design and Analysis of Internally Cooled Smart Cutting Tool)   **June 2021**
- Supervised and coordinated the entire sprint/agile workflow of the project within a team of 4 members.
- In the analysis of the results, it was observed that the fluid velocity significantly affected the cooling efficiency.