

CHAITYA KETHADI

Dallas, TX, 75080 | 216-562-9707 | chaityareddy98@gmail.com | <https://www.linkedin.com/in/chaitya-r-b368651bb/>

EDUCATION

Master of Science- Computer Science | *Cleveland State University at Cleveland, OH*, Aug 2021 to May 2023 (**CGPA: 3.52/4.0**)
Bachelor of Science- Information Technology | *Auroras Technology and Research Institute, India*, Aug 2015 to Apr 2019 (**65%**)

CORE PROFICIENCIES & SKILLS

Programming Languages/Web Technologies: Python, Java, C, C++, JavaScript, HTML, CSS, Nodejs, Angular, Mongo DB, MySQL.

Tools: AWS, WEKA, Jenkins, Linux, IntelliJ, Eclipse, Visual Studio, Jupyter Notebook, Microsoft SQL Server, Tableau, Oracle database.

Libraries: NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn

Technical Expertise: Algorithms, Data structures, GIT, Web design, Machine Learning, Data Mining, Data Science, Predictive analysis

PROFESSIONAL EXPERIENCE

CVS Health, Dallas, TX (Software Developer)

August 2023 – July 2024

- Developed robust applications using Java/J2EE, Spring boot, and NodeJS.
- Managed databases with proficiency in MySQL and DB2.
- Utilized monitoring tools such as Splunk, Prometheus-Grafana, and AppDynamics to ensure system health and performance.

Softech, Hyderabad, India (Full Stack Developer)

June 2019 – July 2021

- Implemented **Core Java**, driving high-performance application development with foundational Java concepts and libraries.
- Integrated and utilized various components of the Spring framework such as **Spring Boot and Spring Security**. This expertise was pivotal in constructing robust, secure, and scalable back-end systems, enhancing overall application functionality and security.
- Crafted engaging user interfaces using state-of-the-art technologies like **HTML5, CSS3, SASS, JavaScript, and Angular**, ensuring responsive and dynamic designs.
- Managed a diverse range of AWS services, including **EC2, S3, RDS, CloudWatch, IAM, and Lambda**, for scalable and efficient cloud operations.
- Involved in the full lifecycle of the application development using **agile/scrum**.
- Automated and streamlined software delivery processes using **Jenkins and Docker** in **CI/CD** pipelines.
- Managed codebase using version control tools such as **GIT**.

ACADEMIC PROJECTS

Movie Recommender system

- Developed a movie recommender system by focusing on the popularly known cold start problem by implementing Apriori, FP-Growth and constraint-based FP-Growth algorithms.
- Pre-processed the movie lens data set using Aggregation and Sampling methods.
- Implemented Pearson and Cosine similarity techniques to determine similarity among the users.
- Used the K-means clustering technique to classify users according to their interests.
- Evaluated the model by visualizing the Recall, Precision, and Accuracy plots.

Sales Forecasting of Retail Clothing.

- Performed pre-processing of data on over a huge dataset using Python, adjusting for inconsistent records.
- Predicted the sales of different product categories of a retail clothing store using Linear Regression, Decision Trees, Random Forest and Gradient-boosting regression techniques.
- Calculated the variance inflation factor(VIF) and Feature Importance and dropped the variables that are highly collinear with the other variables.
- Evaluated the model using Mean Absolute Error, Mean Absolute Percentage Error, and Root Mean Squared Error.

Personal Budget App.

- Developed an application using NodeJS, Angular, and MongoDB to categorize expenses and track spending of users.
- Users can add the maximum allocated budget and utilized budget of a particular category and can view expense-related information of any previous month, day, and year.
- Visualization is done with different graphs using D3js javascript library.

Online Hospital Management.

- This website is built to make online appointments with the doctors according to their availability and to check if a person has close symptoms of covid-19 according to the questionnaire filled by them.
- This portal is developed using Java, JDBC, Servlets, and used MySQL for database connectivity.
- Users can create a new account and login to make appointment with the doctors in a selected time slot, view the profile and the history of their bookings. Admin can add New Doctors, View all the patients registered, and the appointments made by the users.

CERTIFICATIONS

- AWS solutions architect associate (UDEMY).
- E- marshals certificate has participated in a two-day workshop on Ethical Hacking.