Sanath Kumar Chigurumamidi

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WORK EXPERIENCE

Data Architect Intern-Domi Station   **Sep 2024 - Present**
- Implemented advanced data cleaning techniques on large datasets, resulting in a 20% reduction in processing time for generating reports.
- Collaborated with cross-functional teams to develop interactive dashboards for key stakeholders, improving data accessibility and user engagement by 30%.

Teaching Assistant – Advanced Python   **May 2024 – Aug 2024**
- Assist professor in developing and delivering course materials, lectures and assignments on advanced python topics.
- Conduct weekly lab sessions to help students with hands-on coding exercises and projects.
- Hold regular office hours to address student questions and provide one-on-one tutoring to those needing extra help.

Software Engineer - FIS Global   **Jun 2022 – Aug 2023**
- Collaborated with the Common Architecture Platform Engine Team (CAPE) on a modern banking solution project, contributing to Java application development, design, and debugging.
- Enhanced fintech solutions by optimizing a modern banking application for FIS Global, reducing response time by 20% and improving database efficiency by 30% through migration to PostgreSQL.
- Implemented CI/CD pipelines with Jenkins and Docker, reducing deployment time by 40% and post-release issues by 50%, while maintaining over 20 wiki pages of comprehensive documentation to facilitate onboarding and knowledge transfer.

EDUCATION

- **Florida State University, Tallahassee, FL**   **Aug 2023 – May 2025**
  Masters in computer science.
  CGPA: 3.83/4.0.

SKILLS

Programming languages:	Java, Python, C, C++,C#
Frontend:	HTML, CSS, React and Angular
Backend:	Spring Framework, Hibernate, Web Services (REST, SOAP), Microservices Architecture, Messaging Queues (ActiveMQ, Kafka), Spring Boot, Tomcat.
Databases:	SQL (MySQL, PostgreSQL)
Cloud Platforms:	AWS (EC2, S3, Lambda, RDS)
Deployment & Tools:	Git, Docker, Jenkins, Maven

ACADEMIC & PROJECT EXPERIENCE

Travel Management System
- Developed a comprehensive web Application that facilitates a user to select source and destination place, basic fare, and number of days. It calculates the package cost based on the basic fare and number of days for each package.
- The main objective of this project is to create a fast, effective and reliable online working platform to develop communication between customers and the agency and it led to 50% reduction in manual workload.
- **Key Technologies:** Java, Spring Boot, JDBC, Microservices, MySQL, Angular, Eclipse IDE, vs code and Postman.

Restaurant Review- Machine Learning Project
- Designed and implemented a machine learning model to predict the label of review, either positive or negative using NLP that boosted the sentiment analysis accuracy by 20%.
- Sentiment analysis studies the subjective information in an expression, that is, the opinions, appraisal, emotions, or attitudes towards a topic, a person or an entity. The label for the review 1 means positive and 0 means negative.
- **Key Technologies:** Python, NumPy, NLP, matplotlib, Jupyter notebook.

ACHIEVEMENTS & LEADERSHIP

- Earned a gold medal in Mathematics and Science talent test and 5-star rating in Hacker rank coding platform.
- Served as the Convener of INFINITY 2k22, a national-level technical symposium at Osmania University. Successfully coordinated and managed over 5000 students, ensuring smooth execution and high participation
- Served as the captain of cricket team in the inter-college and won a cricket championship 2 times under my leadership.