DARSHAN UTTAM MISTRY

darshanmistry11@gmail.com | 562-256-5206 | github/darshan601 |
linkedin/in/darshanmistry11

TECHNICAL SKILLS

Programming Languages and Technologies:	Java, C#, Python, C, PHP, Azure, AWS
Web Technologies:	HTML, CSS, Angular, React, JavaScript, JSON
Database Systems:	MongoDB, Hadoop, MYSQL, Oracle, MongoDB
Tools and IDE:	Tableau, Jenkins, Git, Kubernetes, VMWare

WORK EXPERIENCE

Sr. Backend Engineer / Database Engineering Intern - FLOW, Remote, CA, USA Sep. 2024 – Present

- Developed **dynamic file upload** functionality with AI preprocessing in a **TDD pair programming** environment, reducing processing time **by 80%** and improving data management for sales teams.
- Enhanced **database schema** and integration in **Postgres and Python Django**, cutting data processing time from **8 to 3 seconds** through AI model optimization and data validation.
- Led revalidation and organization of **80+ code branches**, reducing branch sprawl and ensuring relevant code merges into the main branch, supporting product stability in **Agile Scrum.**
- **Provided database support** and guidance to the backend team, resolving challenges and earning **positive feedback** for reliability and collaboration.

Software Development Engineer - INFOSYS, Mumbai, MH, INDIA Mar. 2021 – Jun. 2022

- Created Backend services using **Java Spring** to automate seat allocation for employees across different locations during COVID, ensured compliance with social distancing guidelines, enhanced employee safety, resulting in productivity improvement and reduced health risks.
- Implemented **JSON Web Token** based authentication in a RESTful API to enhance security and streamline user access.
- Led the integration of **Angular** HTTP Client to enable seamless communication with SQL database, executing essential CRUD operations for efficient data retrieval, updates, and deletions, resulting in streamlined processes and improved productivity.
- Demonstrated adeptness in data cleansing, processing, and validation techniques, ensured the highest standards of data quality through analysis and adhered to OWASP guidelines for storing **JWT** secret keys & updated appropriate token scopes.
- Analyzed **Amazon Web Services** to deploy tasks and maintenance, code Push/Pull to specific branches, solved merge conflicts, and set up **Continuous Integration and Continuous Deployment** pipelines.

Web Developer Intern – Playerzpot Media, Mumbai, MH, INDIA Jun. 2019 – Jun.2019

EDUCATION

California State University, Long Beach, California Aug. 2022 — May. 2024
Master of Science in Computer Science

University of Mumbai, Mumbai, India Jun. 2016 — Oct. 2020
Bachelor of Engineering in Information Technology

PROJECTS

StudyBuddy | *Python, Django, PostgreSQL, Docker* Sep. 2024 – Oct. 2024

- Developed a collaborative study platform using Python Django, allowing users to create topic-specific rooms where they can engage in real-time discussions and exchange resources, like Discord but tailored for educational purposes.
- Designed and implemented room-based chat functionality with persistent message storage and user authentication, enabling students to securely join topic-based rooms, share knowledge, and build study communities.
- Optimized database and backend structure to support scalable chat and room creation functionality, ensuring smooth performance and efficient data retrieval even with high user activity across multiple rooms.

Real-Time Election Voting System | *Python, Kafka, Spark Streaming, Docker* Apr. 2024 – May. 2024

- Developed a scalable, real-time voting system using Python, Apache Kafka, and Spark Streaming, capable of processing 10,000+ votes per second with high accuracy and displaying live results on a Streamlit dashboard for instant election monitoring.
- Ensured 99.9% system uptime throughout electoral processes by designing a robust architecture with Docker Compose and PostgreSQL for reliable data storage and fault tolerance.
- Streamlined data pipeline for real-time vote aggregation and visualization, enabling electoral teams to monitor voting trends and outcomes in real-time with high throughput and minimal latency.