SPARSH SANGHAVI

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Professional Experience

Software Engineer (Intern) | Ordex Technology Solutions　　　　　　　　　　**February 2023 - May 2023**
- Engineered Spring Boot microservices for BambooHR & Xero integration, boosting system efficiency by 20%.
- Implemented RESTful APIs, optimized algorithms, and conducted unit testing via GitHub for complex Java projects.
- Resolved critical Jira tickets, increasing development efficiency by 15% using Bitbucket and SQL databases.
- Contributed to Agile sprints and CI/CD pipelines, enhancing cross-team communication for timely project delivery.

Software Engineer (Intern) | Softvan Pvt. Ltd.　　　　　　　　　　　　　　**June 2021 - May 2022**
- Developed full-stack apps with Java and React, deployed on AWS EC2 for high availability in distributed systems.
- Optimized MySQL relational databases with AWS RDS, enhancing query performance by 25%.
- Implemented CI/CD pipelines with Jenkins and GitHub Actions, reducing deployment time by 30%.
- Built microservices using Docker, RabbitMQ, and MQTT, increasing system scalability by 40%.

Projects

Student Accommodation Finder| Java, Spring-Boot, React, PostgreSQL, AWS, Jenkins, Docker　　**August 2024**
- Developed full-stack platform using Spring Boot, React, and Amazon Web Services (AWS) including RDS, S3, implementing JWT auth for optimized accommodation search.
- Designed RESTful APIs, used AWS Code Pipeline for CI/CD, and deployed on ECS with Auto Scaling across multiple Availability Zones for high availability.

Online Book Store Management | ETL Pipeline, Power BI, Azure Data Studio, MS SQL Server　　**April 2024**
- Engineered a high-performance ETL pipeline for an online bookstore, optimizing data flow and improving query performance by 40% using advanced SQL techniques and stored procedures.
- Implemented complex data models with dynamic triggers and computed columns, creating interactive Power BI dashboards for real-time sales analytics and predictive inventory management.

Fraud Guard: Precision Credit Fraud Detection | Python, scikit-learn, Data Science　　**October 2023**
- Architected a robust machine learning pipeline, leveraging Python, pandas, and scikit-learn to engineer features and construct ensemble models, attaining 99.97% accuracy in credit fraud identification.
- Orchestrated real-time transaction scoring by integrating TensorFlow for deep learning, slashing false positives by 30% and bolstering financial security measures.

Campus Leadership and Technical Instruction

Student Ambassador | Adobe Systems　　　　　　　　　　　　　　**August 2024 - Present**
- Organized workshops on Adobe Creative Suite, increasing student engagement with Adobe products by 30%.
- Collaborated with faculty to integrate Adobe tools into curriculum, enhancing digital literacy across campus.

Teaching Assistant | L.J.I.E.T　　　　　　　　　　　　　　**July 2022 - December 2022**
- Led Java programming tutorials and implemented code review systems for 50+ students.
- Conducted workshops on advanced Java concepts and industry-standard development practices.

Education

Master of Science, Software Engineering Systems　　　　　　　　**Expected December 2025**
Northeastern University, Boston, MA　　　　　　　　　　　　　　　　**GPA: 3.7/4.0**
Relevant Courses: Object Oriented Design (Java), Data Science (Python), Program Structure and Algorithm, Data Management and Database Design, Operating Systems

Bachelor of Engineering, Information and Communication Engineering　　　　　　**May 2023**
Gujarat Technological University, Ahmedabad, India　　　　　　　　　　　　　**GPA: 3.7/4.0**
Relevant Courses: Software Engineering, Data Structures, Analysis and design of algorithms, Computer Science Fundamentals, Information Systems, Computer Engineering

Technical Skills

Programming Languages: Java, Python, SQL, C / C++ / C#, JavaScript, HTML / CSS, Go, Perl, Ruby, iOS, Android.
Frameworks: Hibernate, Spring, Spring Boot, MVC, Angular, React, Node.js, Flask, Django, Vue.
Tools: Amazon Web Services (AWS), Google Cloud Platform (GCP), Azure, Jira, Kubernetes, Tableau, Power BI, Eclipse.
Database Management Systems: SQL (MySQL, Postgres, Snowflake, Oracle), NoSQL (MongoDB).
Technology: Version Control Systems (Git, Bitbucket), CICD, Linux, Containerization and Orchestration (Docker).