Vivek Mehta

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EDUCATION

Arizona State University | Master's in Information Technology | **GPA: 3.96/4.0** — Arizona, United States
Courses: Systems Security, Big Data, Database Management, Data Visualization, NLP — 2023 − 2025
Indus University | B.Tech in Computer Science and Engineering | **GPA: 9.56/10.0** — Gujarat, India
Courses: DSA, OOP, DBMS, OS, ML/DL, Software Engineering, Big Data Technology, Compliers — 2019 − 2023

WORK EXPERIENCE

Software Engineer Intern   **January 2025 | Present**
Yaako Global Services   *United States*
- Engaged with global teams and business stakeholders to gather requirements, define project objectives, and deliver scalable software solutions, achieving a 25% reduction in project delivery times and enhancing automation workflows.
- Designed and developed software applications using **Python**, **TypeScript**, and **React** leveraging advanced data structures such as hash maps, trees, and queues to improve system performance and scalability by 30%.
- Built and optimized **NoSQL** database schemas and queries, using problem solving techniques to improve data storage efficiency by 22% and support high-volume systems with millions of records.

Software Engineer Intern   **January 2022 | July 2023**
Softvan PVT. LTD.   *India*
- Led development and implementation of a Agile Methodology across multiple projects, integrating **CI/CD automation**, **RESTful services**, and **Python** to accelerate deployment cycles by 28% and optimize scalability and resilience
- Engineered and launched interactive data visualization dashboards utilizing **Angular** and **Java**, increasing data availability by 27% and enhancing client decision-making capabilities, resulting in a 35% improvement in operational efficiency.
- Collaborated with cross-functional teams to enhance web application responsiveness, employing **AJAX** and **JavaScript** to optimize page load times, which improved overall project efficiency by 15% and significantly elevated the user experience
- Enhanced application functionality and performance by leveraging **Java**, **JSON**, and **XML** for cross-platform compatibility, ensuring efficient code and delivering a seamless end-user experience.

Software Engineering Consultant   **January 2022 | December 2022**
Sac-Industries   *India*
- Automated production workflows by designing and deploying a **microservices solution** that managed complex calculations, increased productivity and operational efficiency by 50% ensuring seamless Software Development Life Cycle.
- Designed and implemented responsive user interfaces using **React, HTML, CSS, and TypeScript** ensuring seamless user experiences across devices and enhancing frontend performance.
- Designed and implemented a **multi-layered architecture** using **Java**, **Spring Boot**, **MySQL**, and **JavaScript**, integrating **Spring Security** for robust role-based access control, optimizing workflows for enhanced efficiency and user engagement.
- Conducted rigorous **Automated Testing** as part of development life cycle quality assurance process to meet client specifications, identifying and resolving it to improve usability and client satisfaction.

TECHNICAL SKILLS

Languages & Web Development: Java, HTML, CSS, JavaScript, Python, TypeScript, C, C#, PHP
Framework: J2EE, Spring, Spring Boot, Hibernate, MVC, React.js, NodeJS, Angular, Flask, MERN Stack, Maven, Linux
Databases & Visualization: MySQL, SQL Server, MongoDB, NoSQL, Tableau, PowerBI, MS-Excel, Data Analytics
Tools: Eclipse, IntelliJ, SQLyog, MySql Workbench, VSCode, Postman, Git, Github(Version Control) , BitBucket , GitLabs, Visual Studio, Google Cloud Platform, Amazon Web Services, Slack, Jira, Streamlit, Android Studio, Outlook, LaTeX

PROJECT WORK

Airbnb NYC Data Analysis Dashboard | *Tableau*
- Prioritized data-driven insights by analyzing Airbnb NYC data to identify trends in pricing, cancellations, and reservations, enabling informed decisions for tourists, hosts, and legislators.
- Developed an interactive Tableau dashboard visualizing neighborhood-level insights, highlighting the impact of local characteristics on pricing to aid in competitive strategies.

Stock Search & Analysis Web Application | *HTML, CSS, React, Python, Flask, JavaScript*
- Integrated real-time stock data from the Finnhub API using Python and Flask, deploying the backend on Google Cloud App Engine to support live stock analysis.
- Directed user experience by optimizing HighCharts for interactive charting and stock trend visualizations in a fintech.

Student Personal Login | *Java, Spring Boot, Maven, JPA, Postman, OAuth*
- Developed a student login system with OAuth authentication and MongoDB storage, integrating GitHub and Facebook logins to achieve a 100% login rate using Java, Spring Boot, JPA, and MongoDB.
- Managed secure access for over 500 student logins, enhancing security protocols and standardizing user management for improved efficiency.

CSV Data Merge Tool | *Python, Streamlit*
- Conceptualized and implemented an automated data processing tool to merge, compare, and analyze product inventories from CSV files, streamlining data validation and improving product management workflows.
- Enabled efficient data reconciliation with differential analysis to identify quantity differences and matching rows, facilitating CSV export, data-driven insights, and ensuring quality assurance.