

# VIVEK MEHTA

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## Education

### Masters in Information Technology

Arizona State University, Arizona, United States

August 2023 - May 2025

GPA: 3.96/4.00

**Coursework:** Advanced Systems Security, Analyzing Big Data, Advanced Database Management, Systems Development, Data Visualization and Reporting, Advanced Big Data Analysis, Natural Language Processing

### Bachelor's in Computer Science and Engineering

Indus University, Gujarat, India

July 2019 - May 2023

GPA: 3.95/4.00

## Technical Skills

**Languages:** Java, HTML, CSS, JavaScript, Python, TypeScript, C(basic), C++ (basic)  
**Framework :** J2EE, Spring, Spring Boot, Hibernate, MVC, React, NodeJS, Angular, Flask, MERN Stack, Linux  
**Databases:** MySQL, SQL Server, MongoDB, NoSQL

**Tools:** Eclipse, IntelliJ, SQLyog, MySql Workbench, VSCode, Postman, Git, Github(Version Control) , BitBucket , GitLabs, Visual Studio, Excel, Google Cloud Platform, Amazon Web Services, Slack, Jira, Streamlit, Android Studio

## Professional Experience

### Software Engineer Intern

Yaako Global Services

January 2025 - Present

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, enhancing data storage efficiency by 22% and supporting high-volume systems with millions of records.

### Software Engineer Intern

Softvan PVT. LTD.

December 2022 – July 2023

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

Sac-Industries

January 2022 – December 2022

India

- Automated production workflows by designing and deploying a **microservices solution** that managed complex calculations, increasing productivity by 30% and operational efficiency by 50%.
- 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 **UI testing** as part of a quality assurance process to meet client specifications, identifying and resolving it to improve usability and client satisfaction.

## Projects

### Airbnb NYC Data Analysis Dashboard | Tableau (Link to dashboard 🔗)

April 2024

- Analyzed **Airbnb NYC data** to identify trends in **pricing**, **cancellations**, and **reservations**, enabling data-driven 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

January 2024

- 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 context

### Student Personal Login | Java, Spring Boot, JPA, Postman, OAuth

November 2023

- 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.