

# Vivek Mehta

✉ Vivekmehta1519@gmail.com | ☎ 940-536-4978 | in linkedin.com/in/VivekMehta1642 | 🌐 VivekMehta16 | viveksmehta.com

## EDUCATION

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

## WORK EXPERIENCE

<b>Software Engineer Intern</b> <i>Yaako Global Services</i>	<b>January 2025   Present</b> <i>United States</i>
<ul style="list-style-type: none"><li>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.</li><li>Designed and developed software applications using <b>Python</b>, <b>TypeScript</b>, and <b>React</b> leveraging advanced data structures such as hash maps, trees, and queues to improve system performance and scalability by 30%.</li><li>Built and optimized <b>NoSQL</b> database schemas and queries, using problem solving techniques to improve data storage efficiency by 22% and support high-volume systems with millions of records.</li></ul>	
<b>Software Engineer Intern</b> <i>Softvan PVT. LTD.</i>	<b>January 2022   July 2023</b> <i>India</i>
<ul style="list-style-type: none"><li>Led the adoption of Agile methodologies in 2+ projects, integrating <b>CI/CD automation</b>, <b>RESTful services</b>, and <b>Python</b>, reducing deployment time by 28% and improving system reliability, leading to 10% fewer production issues.</li><li>Engineered and deployed interactive data visualization dashboards using <b>Angular</b> and <b>Java</b>, increasing data availability by 27% and reducing manual reporting time by 5+ hours per week, improving team efficiency.</li><li>Optimized web application responsiveness using <b>AJAX</b> and <b>JavaScript</b>, reducing page load times from 3s to 1.8s (40% improvement) and improving user engagement by 15%, leading to a smoother browsing experience.</li><li>Enhanced cross-platform application functionality using <b>Java</b>, <b>JSON</b>, and <b>XML</b>, ensuring compatibility across 3+ platforms, reducing bug reports by 20%, and improving overall system performance by 30%.</li></ul>	
<b>Software Engineering Consultant</b> <i>Sac-Industries</i>	<b>January 2022   December 2022</b> <i>India</i>
<ul style="list-style-type: none"><li>Automated production workflows by designing and deploying a microservices solution that managed complex calculations, increased productivity and operational efficiency by 2x ensuring seamless Software Development Life Cycle (SDLC).</li><li>Engineered and refined interactive user interfaces using <b>React</b>, <b>HTML</b>, <b>CSS</b>, and <b>TypeScript</b>, achieving a 97.98% uptime, improving frontend rendering efficiency and optimizing accessibility features, enhancing user engagement.</li><li>Designed and implemented a multi-layered architecture using <b>Java</b>, <b>Spring Boot</b>, <b>MySQL</b>, and <b>JavaScript</b>, integrating <b>Spring Security</b> for robust role-based access control for 100+ employees, reducing unauthorized access incidents, improving workflow efficiency, and handling 1M transactions per day.</li><li>Conducted rigorous <b>Automated Testing</b> as part of the SDLC quality assurance process, detecting and resolving 95% of defects pre-production, reducing bug-related delays by 30%, and improving usability and client satisfaction.</li></ul>	

## TECHNICAL SKILLS

**Languages & Web Development:** Java, HTML, CSS, Wordpress, JavaScript, Python, TypeScript, C, 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, Data Structure

## 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.
- Created 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

- Launched 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 end-to-end secure access for over 50k+ student logins, enhancing security protocols and standardizing user management for improved efficiency and scalability.

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.