Aakash Ambodkar

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Education

Stevens Institute of Technology, NJ, USA   Aug 2021 – May 2023
Master of Science in Computer Engineering   *GPA: 3.81/4.00*

University of Mumbai, Mumbai, Maharashtra, India   Jun 2015 – May 2018
Bachelors in Electronics and Telecommunication   *GPA: 7.35/10.0*

Technical Skills

Languages/Database: Python, Java, Relational (PostgreSQL, MySQL), Non-relational (MongoDB), SQL
Web Technologies: JavaScript, React.js, HTML5, CSS3, Node.js, MVC, MVVM, Spring Boot, Redux, REST, HTTP
Software & Tools: Git, RabbitMQ, AWS, Linux, Unix, Shell Scripting, Selenium, Testing, Object-oriented programming, Docker Container, Jira

Work Experience

Stevens Institute of Technology   Mar 2022 – Present
Software Engineer - Research Assistant   *Hoboken, NJ, USA*

- Revitalized statistics, robust and scalable web applications, incorporated web design techniques to deliver cutting-edge and 25% enhanced web experiences
- Created interactive website using HTML5, JSP, CSS3, exposed event listeners, form validation, DOM with JavaScript to increase flexibility by 30%
- Designed and implemented cross-functional software components seamlessly integrated machine learning models in web design process
- Devised Login module using REST, HTML, CSS to improve performance by 30%
- Directed in remodeling current CNN architecture to revamp better analytics representation of model by 92%
- Built virtual image recognition distributed system to detect cancer with 97% accuracy

IBM   Jan 2020 – Jul 2021
Software Engineer   *Mumbai, MH, India*

- Led & represented large scalability on-site maintenance of IBM Systems in software operating systems to get 100% customer service
- Developed real-time dashboard management features for a finance product payment application system
- Maintained data architecture to ensure high level satisfaction with selenium automation aiming at 0 downtime
- Supervised Database administration flow, query DB2 backup, archival infrastructure setup configured streaming in 100% system availability
- Developed and modified existing SQL queries, stored procedures, cursors to perform CRUD operations 20% faster
- Collaborated with software testing team to achieve code coverage of 95% with Unit testing, Integration testing and API testing

Academic Projects

ShopMart | *(JavaScript, React.js, Spring MVC, Spring Security, CSS3, HTML5, MySQL)*

- Designed and implemented intuitive shopping cart, improving checkout process and contributing to 95% success rate
- Developed responsive user interface, reducing bounce rates by 30% ensuring a seamless experience data structure
- Cooperated with the project management backend team to integrate APIs data platform, ensuring 100% data accuracy
- Application resulted in a 40% increase in user engagement & 25% increase in conversion rates

NavDynamix | *(HTML5, CSS3, JavaScript, React.js)*

- Engineered a responsive web application with CSS media queries, a flexible grid system, leading to a 35% increase in mobile traffic & 20% longer average session durations
- Optimized performance achieving a quantitative 25% decrease in page load times for cross-browser compatibility
- Application aimed for a 45% improvement in mobile user engagement & seamless navigation
- Received positive user feedback praising the app's ability to adapt to different devices resolving root cause analysis

Volunteer Experience

President - Electronics & Telecommunication Student Association   Jun 2017 – May 2018
University of Mumbai

- Established and implemented the overall committee agenda
- Organized various Technical software engineering and Cultural Events
- Oversaw issues and supervised all events held within department and university
- Developed, maintained, and fostered cordial relationships with all club associations within university