

# AAKASH AMBODKAR

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## Technical Skills

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**Languages/Database:** Python, Java, Relational (MySQL, PostgreSQL), Non-relational (MongoDB),  
**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

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### 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

## Projects

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### 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

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### 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

## Education

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### 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*