

AAKASH AMBODKAR

📞 551-318-8041 ✉ aakashambodkar@icloud.com 🔗 LinkedIn 🐙 GitHub

Education

Stevens Institute of Technology, NJ, USA

Aug 2021 – May 2023

Master of Science in Computer Engineering

GPA: 3.81/4.00

Coursework: Data Structures and Algorithms, Engineering Programming Python, Digital & Computer System Architecture, Database Management Systems, Big Data Analytics, Applied Machine Learning

University of Mumbai, Mumbai, Maharashtra, India

Jun 2015 – May 2018

Bachelors in Electronics and Telecommunication

GPA: 7.35/10.0

Coursework: Object Oriented Programming, Computer Networks, Operating Systems

Technical Skills

Languages/Database: Python (Proficient), 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, Testing

Work Experience

Stevens Institute of Technology

Mar 2022 – Present

Research Assistant

Hoboken, NJ, USA

- Designed and implemented software components seamlessly integrated machine learning models in web design process
- Directed in remodeling current CNN architecture to revamp better representation of model by 92%
- Revitalized robust and scalable web applications, incorporated web design techniques to deliver cutting-edge and 25% enhanced web experiences
- Instructed students on foundational machine learning algorithms & frameworks
- Evaluated and Inspected projects, assignments in class of 35
- Collaborated and facilitated professor on overall course curriculum

IBM India Pvt Ltd

Jan 2020 – Jul 2021

Software Engineer

Mumbai, Maharashtra, India

- Led & represented on-site maintenance of IBM Systems in software operating systems to get 100% system availability
- Developed dashboard management features for a payment application system
- Maintained accountability to ensure high level satisfaction with technical support aiming at 0 downtime
- Supervised Database administration, DB2 backup, archival setup configured resulted in 100% system availability
- Participated within multi-disciplinary squad on user interface development
- Operated in agile software development methodologies

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
- Cooperated with the backend team to integrate APIs, 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 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

Volunteer Experience

President - Electronics & Telecommunication Student Association

Jun 2017 – May 2018

University of Mumbai

Mumbai, Maharashtra, India

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

Certifications & Achievements

- Web Development Bootcamp
- DSA & SQL Bootcamp
- GTS Achiever - IBM