

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

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, Spring Boot, REST, HTTP

Software & Tools: Git, RabbitMQ, AWS, Linux, Unix, Shell Scripting, Testing

Work Experience

Stevens Institute of Technology

Jan 2023 – May 2023

Teaching Assistant

Hoboken, NJ, USA

- 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

Stevens Institute of Technology

Mar 2022 – Dec 2022

Research Assistant

Hoboken, NJ, USA

- Conducted experiments on different machine learning models aiming to attain 90% plus accuracy
- Built and documented path finding algorithm leveraging python, TensorFlow framework
- Directed in remodeling current CNN architecture to revamp better representation of model by 92%

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
- 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

Academic Projects

ShopMart | (JavaScript, React.js, Spring MVC, Spring Security, CSS3, HTML5, MySQL) | [link](#)

Feb – May 2023

- 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) | [link](#)

Oct – Dec 2023

- 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

Certifications

Certificate 1: SQL Bootcamp - Udemy

Certificate 2 : Web Development Bootcamp - Udemy