

AAYUSH RAJENDRA SAWANT

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EDUCATION

Northeastern University

Master of Science in Information Systems

GPA: 3.92

September 2023 – May 2025

Boston, MA

Full Stack Web Development, Object Oriented Design, Cloud Computing, Data Analysis

College of Engineering, Pune

Bachelor of Technology in Electronics and Telecommunications Engineering

GPA: 3.2

August 2017 – May 2021

Pune, India

Data Structures and Algorithms, Operating Systems, Computer Architecture

TECHNICAL SKILLS

CS Fundamentals : Object Oriented Programming, Data Structures and Algorithms, Operating Systems.

Languages : Java, JavaScript, Python, R, C/C++, Typescript, MATLAB.

Web Technologies : HTML5, CSS/SCSS, Bootstrap, XML.

Databases/Technologies : MySQL, MongoDB, Firebase, Elasticsearch, PostgreSQL

Tools/Frameworks : Next.js, React.js, Redux.js, Node.js, Express.js, Springboot, NumPy, Pandas, Microsoft Office.

Operating Systems : Linux, Windows

Devops : AWS, Google Cloud, Elastic Beanstalk, Microsoft Azure, Kubernetes, Jenkins, Docker, CI/CD

Data Analysis: Tableau, Microsoft Excel, Power BI

Machine Learning : Pytorch, TensorFlow

Version Control: Git, SVN

EXPERIENCE

SonomaticAI, New York, NY | *Software Contributor*

February 2024 - May 2024

- Spearheaded the development and implementation of a modular user interface utilizing React with Typescript for a cutting-edge generative AI platform, enhancing music creation capabilities.
- Enhanced user experience metrics by 30% through the seamless integration of Firebase analytics into all event handlers, enabling comprehensive monitoring of page load times and user interactions
- Established an efficient Jenkins pipeline to streamline the processing of pull requests, optimizing collaboration among development teams and accelerating project delivery

eQ Technologic, Pune | *Software Engineer (Full Stack)*

August 2021 – August 2023

- Led the creation and upkeep of 15+ pivotal UI modules with React.js for a deployment-centric web product, yielding a 30% decrease in UI-related bugs and enhancing user satisfaction by 20%.
- Developed a sophisticated mapping utility leveraging Redux to dynamically associate help pages with user actions, significantly enhancing the overall user experience through a refined and intuitive interface.
- Led the migration from a jQuery widget framework to React+TypeScript, resulting in a significant performance boost by 25%, improved maintainability by 30%, and enhanced development efficiency by 20%.
- Spearheaded the development of resilient RESTful APIs leveraging Node.js and Express.js. These APIs were instrumental in facilitating infrastructure creation across diverse environments and seamlessly integrating with databases, resulting in streamlined data management processes and enhanced scalability.
- Executed Proof of Concept (POC) tasks on advanced containerized deployments using Docker and Kubernetes for web products, resulting in a 40% increase in deployment efficiency and scalability.
- Delivered multiple sessions on effectively leveraging premier unit testing frameworks like Jest and Cypress.io.
- Crafted a bespoke script automating validation of SONAR and ES-LINT rules in the Jenkins pipeline, bolstering code quality standards and promoting adherence to best practices.

Mahanagar Telephone Nigam Limited (MTNL), Mumbai | *Engineering Intern*

June 2019 – July 2019

- Developed an interactive user interface for an internal documentation site using the Docusaurus library of React.
- Contributed to a MERN stack application aimed at updating outdated zip codes for MTNL. Ensured accurate addresses for invoice delivery and streamlined customer service by assigning customers to designated home branches.

PROJECTS

House of Kicks | *React.js, Node.js, Express.js, MongoDB, AWS, Git*

November 2023 – December 2023

- Developed House of Kicks, a full-stack sneaker e-commerce platform leveraging react for the front end, Node for the back end, MongoDB database.
- Integrated payment gateway into House of Kicks, boosting conversion rates by 12%, allowing users to pay by Credit/Debit card or PayPal.
- Developed data visualization dashboards using Recharts – a JavaScript library for the admin panel, empowering data-driven decisions that led to an 8% optimization in sneaker stock management