
EDUCATION

STEVENS INSTITUTE OF TECHNOLOGY, NJ, USA

Sep 2024 - Present

Master of Science, Computer Science

UNIVERSITY OF MUMBAI, INDIA

Aug 2016 - Oct 2020

Bachelor of Engineering, Electronics Engineering

RELATED COURSES: Data Structure and Algorithms, Machine Learning, Agile Methodology, Data Mining

EXPERIENCE

Tata Consultancy Services, India

Apr 2021 - Mar 2023

Java Developer

- Led migration of Java-based web application to the cloud using JSF technology
- Developed and maintained efficient, scalable, and optimized code using Java, Spring, and Hibernate
- Designed and implemented Java Servlets to manage HTTP requests and responses, enhancing web application efficiency
- Implemented unit and integration testing in the application using JUnit to ensure code reliability and maintainability
- Developed and executed test cases with JUnit and Mockito, improving test coverage and detecting potential issues early in the development cycle
- Automated testing processes as part of the CI/CD pipeline using JUnit and integrated them with Jenkins for continuous feedback
- Utilized AWS S3 buckets for secure file storage, enabling seamless access and retrieval of stored files
- Integrated third-party APIs for enhanced functionality and seamless application interaction
- Collaborated with team members to address project needs and provide support

Schnell Technology, India

May 2020 - Jun 2020

Software Developer Intern

- Built backend with Node.js, Express.js, and MongoDB for efficient API handling and data storage
- Implemented Firebase Authentication with JWT-based token validation for secure user access
- Utilized MongoDB for data storage, designed and structured RESTful APIs
- Deployed and managed cloud-based services using Google Cloud Platform

EduVance - IBM Edtech Partner

Jun 2019 - Jul 2019

Machine Learning Internship

- Gained proficiency in Python and machine learning techniques through hands-on projects, advancing from basic to advanced concepts
- Analyzed and visualized large datasets to derive actionable insights

PROJECTS

VideoTube

- Developed a comprehensive backend project for a video hosting platform inspired by YouTube using Node.js, Express.js, and MongoDB
- Secured authentication through JWT and bcrypt-based password hashing
- Designed efficient REST APIs, supporting user authentication, video uploads, likes/dislikes, comments, and subscriptions

Video Streaming App

- Built a video streaming platform for uploading, watching, and streaming videos using Node.js, Express.js
- Used FFmpeg for video conversion to HLS format

Predicting NICU Admissions for Pregnancies during Covid-19

- Built and compared machine learning models (Random Forest, Decision Tree, Naive Bayes, MLPClassifier, KNN) to predict NICU admission based on pregnancy and maternal data.
- Preprocessed a 10,772-row dataset from the "Pregnancy during the COVID-19 Pandemic (PdP)" project and cleaned missing values, reduced dimensionality, and balanced classes using SMOTE
- Used clustering techniques and visualizations to identify patterns, including a link between higher anxiety and NICU admissions.

SKILLS

Programming Languages: Java, Python, SQL, HTML, CSS, JavaScript, C++**Frameworks:** Spring MVC, Java Server Faces, Hibernate, Express.js, Flask**Frontend Technologies:** React.js, CSS-in-JS, Styled Components, Figma**Databases & Cloud:** MongoDB, MySQL, AWS, GCP**Technologies:** Nodejs, Flask, Git, Jenkins, Maven, Firebase, Servlets