

SUMEDH JITENDRA BADNORE

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EDUCATION

Stevens Institute of Technology

Master of Science in Computer Science | GPA 4/4

Hoboken, NJ

May 2025

Relevant Coursework: Data Structures and Algorithms, Web Programming, Java Programming, Fundamentals of Computing, Mathematical Foundations of Machine Learning, DBMS, Fundamentals of Cybersecurity

Vidyalankar Institute of Technology, Mumbai University

Bachelor in Electronics and Telecommunication Engineering | GPA 3.7/4

Mumbai, India

May 2023

SKILLS

Programming & Scripting Languages: Java, C++, Python, JavaScript, HTML5/CSS3, Node.js

Database Management: MongoDB, SQL, NoSQL, Firebase

Libraries & Frameworks: Node.js, Flask, Express.js, React, Angular, Bootstrap, Scikit-Learn, Pandas, Keras, PyTorch

Technologies & Tools: Git, GitHub, AWS, Google Cloud, MATLAB, Postman, Microsoft Office, Agile (Scrum)

Development Practices: Test-Driven Development (TDD), Version Control, Continuous Integration/Continuous Deployment (CI/CD), Agile Methodologies (Scrum)

PROFESSIONAL EXPERIENCE

Accenture

Developer Program Intern [Technologies: Python, Linux, DBMS, Git]

Remote Internship

Aug 2022 - Dec 2022

- Engineered data management processes for Volkswagen's updated car parts manual, developing active monitoring scripts that alerted the support team to critical application issues, preventing costly downtime by 20% and enhancing efficiency.
- Optimized and deployed CRON commands on servers, automating data uploads to the database; streamlined process improved data accuracy, and reduced manual upload time by 40%.

Vidyalankar Institute of Technology

Web Development Intern [Technologies: REST API, Express.js, Handlebars]

Mumbai, India

Jun 2022 - Sep 2022

- Developed a scalable web application that gathers global data from 191 countries on COVID patients to develop a public dashboard including active cases, total cases, and total fatalities.
- Delivered visual representations to enhance user participation, getting a 30% improvement in user engagement.

PROJECTS

Artist Hub: [Technologies: NodeJS, Express, MongoDB, Ajax, Validations]

- Built a multifaceted website with features including an Art Forum, E-Commerce section, Dashboard, and user registration using Node.js and Express.
- Optimized server architecture, established routes, and developed core data functions and middleware for seamless operation, ensuring high availability and performance through proactive server management and maintenance.

Test Harness: [Technologies: Python, Git Version Control, GitHub Actions, Continuous Integration (CI)]

- Created a robust test harness for 3 Python programs, ensuring accurate functionality through data driven testing and a comprehensive testing framework.
- Implemented continuous integration using GitHub Actions, enabling automatic testing on every commit, resulting in a 30% reduction in testing time.

Breast Cancer Classifier using Neural Networks: [Technologies: MATLAB, C++, Machine Learning, AI]

- Spearheaded a team of 4-members to develop a MATLAB application for mammogram classification using techniques like image processing, feature extraction, and Gaussian Mixture Model.
- Achieved 94.2% accuracy in tumor type classification by working on pre-processing, image filtration, dataset organization, and training with the mini-MIAS database.

BlogMate - Blogging Web App: [Technologies: Node.js, React.js, JavaScript, MongoDB, bcrypt, CSS, HTML]

- Designed and crafted a responsive blogging site with a user-friendly interface and clean, modern aesthetics.
- Executed password hashing and salting using bcrypt, ensuring user data remains protected with a 256-bit encryption.