

PREYASH AMAR MEHTA

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EDUCATION

Northeastern University, Boston, Massachusetts, United States

Expected May 2025

Masters of Science in Computer Software Engineering

GPA: 4.0

Related Courses: Object-Oriented Design, Web Development, Cloud Computing, Data Structures & Algorithm, data analytics

University of Pune, Pune, Maharashtra, India

May 2020

Bachelors of Science in Computer Engineering

GPA: 3.7

Related Courses: Machine Learning, System Design & Networking, Database Management, Computer Science, Information Systems

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, VB .NET, Python, Spring Boot, MongoDB, SQL, C++, Typescript, C#

Web Development: ReactJS, NodeJS, ExpressJS, Redux, Bootstrap, JWT, AngularJS, TailwindCSS

Software and Build Tools: Azure DevOps, AWS (Lambda, S3, DynamoDB, CloudWatch), Git, Docker, Bitbucket, Linux

PROFESSIONAL EXPERIENCE

Atos (Formerly Syntel), Pune, IN

March 2021 - June 2023

Associate Software Developer

- Led the development of **12+** automation processes, achieving a **30%** efficiency gain and leveraging advanced VB.Net concepts for optimized results based on client feedback
- Engineered software solutions reducing manual input by **50%**, enhancing client productivity, and spearheaded an Azure DevOps initiative yielding **\$250K** in annual savings for the client as a result
- Specialized in Insurance domain software, successfully managing three major projects integrating VB.Net with Azure DevOps tools and agile methodology for efficient client solutions
- Fostered cross-functional collaboration to drive innovation in automation processes, establishing effective communication channels with stakeholders and achieving a **15%** improvement in project goal alignment with organizational objectives

Scrobites Technologies – Pune, IN

Jan 2020 – May 2020

Full Stack Developer Internship

- Led full-stack development, integrating Cloud, Mobile, and Web technologies, improving time-to-market by **15%** and innovatively solving problems, reducing complaints by **40%**
- Optimized RESTful API services with Node.js, boosting response times by **30%**, and instrumented advanced features on Angular web framework, increasing user engagement by **20%**
- Pioneered scalable microservices architecture, enhancing system reliability and enabling seamless scalability, resulting in a **25%** increase in overall system performance

ACADEMIC PROJECT EXPERIENCE

Event-Management Application

October 2023 – December 2023

- Developed a **MERN**-based Event Management Web App for university students, enabling seamless planning, booking, and networking, and utilized Tailwind CSS for UI styling
- Created a ReactJS front-end for Husky Events with declarative UI building, React Router navigation, and Axios for server-side API communication, enhancing user experience
- Employed user authentication using useContext hook & JWT, designed a REST API with Express routes, MongoDB for data storage and retrieval, and enhanced security measures including bcrypt hashing and CORS implementation [Demo](#)

Voting Application using Blockchain Technology

October 2019 – June 2020

- Implemented a blockchain-based e-voting system to bolster security and transparency, reducing voter fraud risk by **40%** and saving **200+** hours in manual verification processes annually.
- Instated cryptographic vote linking using **SHA-256** in backend ledger, converting input data into JSON objects, and integrated one-time SMS authentication via Firebase for enhanced authenticity
- Directed the build of a blockchain-powered e-voting system, enhancing security and transparency; research findings on the project were successfully published in a prominent national journal. [Paper](#)

Handwriting Pattern Recognition Using Machine Learning

October 2018 - January 2019

- Conducted research on Support Vector Machine, attaining **92%** accuracy in classifying handwriting patterns for IEEE paper
- Presented research findings at academic conferences and seminars, highlighting potential applications in forensic handwriting analysis, education, and healthcare
- Demonstrated strong communication skills through compelling presentations, effectively conveying complex ideas to diverse audiences