PREYASH AMAR MEHTA

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EDUCATION

Northeastern University, Boston, Massachusetts, United States **Expected May 2025**
Master of Science in Computer Software Engineering **GPA: 3.76**
Related Courses: Object-Oriented Design, Web Development, Cloud Computing, Data Structures & Algorithm, Data analytics

University of Pune, Pune, Maharashtra, India **May 2020**
Bachelor 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, MySQL, 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, Kubernetes, Linux

PROFESSIONAL EXPERIENCE

Atos (Formerly Syntel)**,** Pune, IN **March 2021 - June 2023**
Associate Software Developer

- Led the development of **10+** 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 budget savings for the client as a result
- Successfully managed three major projects in the Insurance domain software, integrating VB.Net with Azure DevOps tools and agile methodology to deliver efficient client solutions
- Fostered cross-functional collaboration to drive innovation in automation processes, establishing effective communication channels with stakeholders by achieving a **15%** improvement in project goal alignment with organizational objectives

Scrobits Technologies – Pune, IN **January 2020 – May 2020**
Full Stack Developer Internship

- Led full-stack development, leveraging a diverse technology stack including Node.js, Angular, and cloud infrastructure, improving time-to-market by **15%** and innovatively solving problems, reducing customer 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 | Demo **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
- Engineered Husky Events' ReactJS front-end with declarative UI, 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

Voting Application using Blockchain Technology | Paper **October 2019 – June 2020**

- Implemented a blockchain-based e-voting system that reduced the risk of voter fraud by **40%** and saved **200+** hours in manual verification processes annually
- Integrated one-time SMS authentication via Firebase, increasing the authenticity of the voting process by **30%**
- Designed a cryptographic vote linking system using **SHA-256**, ensuring the integrity of **98%** of the votes cast
- **Published** research findings on the blockchain-powered e-voting system in a prominent national journal, contributing to the advancement of secure voting technologies

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
- Delivered research findings at conferences, emphasizing applications in forensic handwriting analysis, education, healthcare
- Demonstrated effective communication skills through compelling presentations, effectively conveying complex ideas to diverse audiences