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: 4.0**
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, 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, Kubernetes, Bitbucket

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 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 and 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, 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
- Developed 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 **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
- 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