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, Network Structures & Cloud Computing, Data Structures & Algorithm

University of Pune, Pune, Maharashtra, India **May 2020**
Bachelors of Science in Computer Engineering **GPA: 3.7**
Related Courses: Machine Learning, System Design & Networking, Data Science, Computer Science, Information Systems

TECHNICAL SKILLS

Programming Languages: C++, Java, Python, JavaScript, VB .NET, Spring Boot, HTML-CSS, MongoDB, SQL
Web Development: ReactJS, Node.js, Express.js, Redux, Bootstrap, Context API, React Router Dom, JWT, OAuth, Angular
Software and Build Tools: AWS (Lambda, S3, DynamoDB, CloudWatch), Git-Version Control, Azure DevOps, Visual Studio

PROFESSIONAL EXPERIENCE

Atos, Pune, IN **March 2021 - June 2023**
Associate Software Developer

- Orchestrated the development of **12+** automation processes, realizing a **30%** increase in process efficiency and analytics
- Engineered software programs to cut manual input by **50%**, significantly boosting client productivity
- Applied advanced VB.Net concepts for automation, optimizing results based on client feedback
- Spearheaded an Azure DevOps project, streamlining application development and yielding **$250K** in annual savings
- Specialized in Insurance domain software, successfully implementing solutions for clients with efficient project management
- Completed three major projects integrating VB.Net with Azure DevOps tools and agile methodology
- Collaborated with cross functional teams to drive innovation in automation processes, testing and training, establishing feedback loops and iterative development cycles for dynamic adaptation to evolving client needs and industry standards
- Established and maintained effective communication channels with stakeholders, achieving a **15%** improvement in project goal alignment with organizational objectives and extensive teamwork

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

- Headed full-stack development initiatives across various projects, seamlessly integrating diverse technologies such as Cloud, Mobile, and Web development, resulting in accelerated time-to-market efficiencies of **15%** for each project
- Employed creative problem-solving techniques within the development lifecycle, culminating in a remarkable **40%** reduction in customer complaints and a substantial improvement in overall customer satisfaction metrics
- Stage-managed the optimization of RESTful API services leveraging Node.js on the backend, yielding a significant **30%** enhancement in response times for user requests, thereby elevating user experience and satisfaction levels
- Directed the implementation of cutting-edge features on the Angular frontend, driving a noteworthy **20%** increase in user engagement and retention rates, thereby solidifying the product's competitive edge and market positioning

ACADEMIC PROJECT EXPERIENCE

Event-Management Application **October 2023 – December 2023**

- Developed a customized Event Management Web Application for university students using MERN (full stack) and Tailwind CSS, facilitating seamless event planning, booking, and networking on campus and in the city
- Created a ReactJS-based front-end application for Husky Events, incorporating declarative UI building, React Router for navigation, and React Hooks for efficient state management. Employed Axios for communication with the server-side API
- Implemented user authentication & authorization management with useContext hook & JWT, enhancing application security
- Designed a well-structured REST API following the MVC architecture, optimized functionality with Express routes for diverse HTTP requests, and ensured data integrity in the MongoDB database through schemas, regex input validation, bcrypt for password hashing, and CORS implementation for enhanced security **Demo**

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

- Enhanced an electronic e-voting system through a capstone project by developing a blockchain-based voting application, ensuring security and transparency in the voting process
- Implemented cryptographic linking of votes block by block to prevent data tampering, utilizing Secure Hash Algorithms (SHA-256) to convert input data into a 256-byte binary value represented as a JSON object through key-value pairs
- Addressed authenticity and security concerns by incorporating a one-time authentication method via SMS using Firebase
- Additionally, published a paper in a renowned national journal, the 'International Journal of Research in Engineering, Science, and Management,' alongside peers(IJRESM - Volume-3, Issue-6, June-2020)