

Shivam Rajendrakumar Dixit

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EDUCATION

Northeastern University, San Jose, CA September 2023 - May 2025 (Expected)
Candidate for a Master of Science in Computer Science
Related Coursework: Programming Design Paradigms, Web Development

Thakur College of Engineering & Technology, Mumbai, India October 2020 - May 2023
Bachelor of Engineering in Computer Engineering **GPA: 3.87/4.0**
Related Coursework: Software Engineering, Data Analytics, Design and Analysis of Algorithms, Distributed Computing

Shri Bhagubhai Mafatlal Polytechnic, Mumbai, India August 2017 – September 2020
Diploma in Computer Engineering **GPA: 3.78/4.0**
Related Coursework: System Programming, Operating Systems, Databases, Data Structures, Web Technologies

TECHNICAL SKILLS

Programming Languages: JavaScript, Java, C, C++, Python
Frameworks & Libraries: React, Express, Angular, Spring Boot, Pandas, NumPy
Web Applications: HTML, CSS, XML, DOM, Node.js, Bootstrap, SASS, Figma, JSON, HTTP, REST, API, Web Services, HTTP
Databases & Cloud: MYSQL, PostgreSQL, MongoDB, Firebase, AWS, Azure
Tools: Android Studio, VS Code, GitHub, Atom, IntelliJ, Selenium, JUnit, Postman, Linux, Unix, Version Control

EXPERIENCE

Ruchi Infotech, Mumbai, India August 2022 – December 2022
Full Stack Developer Intern

- Applied React essentials including component construction, JSX, prop handling, and state management to optimize UI rendering and data processing.
- Optimized performance using memoization, custom hooks, and global state management while creating authentication, data sorting, and interactive dashboards in React.
- Implemented efficient database design and management techniques, including schema optimization and query performance tuning, to ensure seamless data retrieval and storage in MongoDB, contributing to a responsive and scalable application.
- Pioneered and maintained Node.js and Express.js backend solutions, handled MongoDB, and integrated mail communication with SendGrid, increasing user engagement by 20%.
- Introduced 3 new major features that improved application functioning and user experience, increasing user retention and satisfaction by 12%. Accelerated file management reduced data retrieval time by 10% and enhanced system performance.

RAA Technocrats, Mumbai, India December 2021 – January 2022
Data Analyst Intern

- Leveraged historical data sets and advanced statistical tools such as Python (Pandas, NumPy) to model and forecast business trends, resulting in 7% enhanced accuracy in predictions.
- Increased project management efficiency by meticulously monitoring and reporting the progress of two new initiatives.
- Contributed to a 4% increase in data-driven decision-making through the use of SQL for data retrieval, Python for trend analysis, and Matplotlib and Tableau for insightful visualizations.

Yashi Infotech, Mumbai, India May 2021 – November 2021
Software Engineer Intern

- Applied advanced data structures and algorithms to optimize critical components, enhancing the overall efficiency and performance of complex software systems
- Applied industry-standard testing tools like Selenium and JUnit to automate test cases and improve testing efficiency to deliver high-quality software products.
- Worked with the technical team to create API endpoints that meet project goals and follow RESTful principles. Designing and writing strong APIs for data retrieval, manipulation, and storage with an emphasis on scalability and performance.
- Developed cutting-edge, user-friendly, and responsive user experiences by using advanced web technologies such as CSS Flexbox, Grids, and BEM methodology.

PROJECTS

CollabMe (Task Management and Collaboration Platform)

- Designed and created a comprehensive Task Management and Collaboration Platform by using Node.js, Express, MongoDB, and React.js in the development process. Executed user authentication, real-time task updates, and complex data modeling strategies within a robust MVC (Model-View-Controller) architecture.

Regalia

- Streamlined a single-page React.js app's digital trip register allowing users to record their travels and memories. The project manages the state using React Router, Vite, CSS modules, and context API. The Leaflet library integrated maps and set its position using geolocation.