

YESHA JOSHI

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EDUCATION

College of Engineering, Northeastern University, Boston, MA *Expected May 2025*
Master of Science in Software Engineering Systems | **GPA: 3.85/4**
Course Work – Object Oriented Design, Web Design and UX Engineering, Program Structure and Algorithms, Software Engineering

LDRP Institute of Technology and Research, Gandhinagar, Gujarat, India *Aug 2019 - Mar 2023*
Bachelor of Engineering in Computer Engineering | **GPA: 8.64/10**
Course Work - Object Oriented Programming using Java, Database Management System, Design and analysis of Algorithms, Software Engineering, Operating Systems

SKILLS

- **Languages:** HTML, CSS, Java, Python, C++, JavaScript,
- **Software/ Frameworks:** React.js, Angular.js, Vue.js, Express.js, Spring Boot, Redux, AuthO, Version Control (Git), Postman, Continuous Integration/Continuous Deployment (CI/CD) tools, AWS, Databricks, PySpark, GitHub Actions
- **Database:** MySQL, MongoDB, PostgreSQL, NoSQL
- **Data Visualization:** Tableau, PowerBI
- **Soft Skills:** Teamwork and Collaboration, Leadership

PROFESSIONAL EXPERIENCE

Tredence Inc., United States (Remote) *Jun 2024 - Aug 2024*
Software Data Engineer Intern

- Designed and built an **ETL pipeline** for a leading grocery brand's offers and promotions data using **Python** and **SQL** to enable seamless data flow and timely analysis
- Implemented a comprehensive **data cleansing** process that resulted in a 20% improvement in data quality metrics, leading to more reliable insights for strategic decision-making
- Mapped out and visualized promotional trends using **Tableau** dashboards which are now utilized by 15 marketing team members to track performance and make informed decisions based on real-time data
- Conducted detailed **analysis** of redemption trends using **Python** and **Databricks** to pinpoint declines, resulting in a 15% increase in engagement
- Received mentorship from senior engineers, enhancing skills in backend development, data engineering best practices, and collaborative problem-solving within a professional team environment

Fluxbyte Technologies Pvt. Ltd., Ahmedabad, Gujarat, India *Feb 2023 - Jul 2023*
Software Developer Intern

- Optimized API performance by 60% through data restructuring and established efficient CI/CD pipelines, enhancing software delivery and testing processes
- Created reusable components, reducing code volume by 30%, implemented **Redux** integration to mitigate 50% of props drilling complexity, and transitioned from **JavaScript** to **TypeScript**, yielding a 40% improvement in code quality
- Integrated **WebSocket** for real-time data communication, enabling the development of highly interactive and responsive applications, resulting in a 35% decrease in latency
- Developed **REST APIs** with MongoDB for role-based access and efficient data validation, improving accuracy by 25% and automating **CI/CD** deployment to expedite processes
- Implemented **Docker** containers for application component encapsulation, enabling microservice scalability and reliability by isolating issues to individual containers

ACADEMIC PROJECTS

CareerCraft AI (Advanced Career Pathway and Skills Analysis)

- Collaborated with a team to architect an AI-driven platform using ReactJS, Spring Boot, and PostgreSQL that personalizes career pathways for users, integrating advanced algorithms that processed 1,000+ data points
- Integrated **Udemy API** and **LinkedIn API** for tailored course and job recommendations, facilitating targeted learning and employment opportunities for career advancement

Task Management Application (Kanban Board)

- Incorporated **React DnD (Drag and Drop) Kit** for an intuitive drag-and-drop interface, significantly enhancing user experience by enabling flexible task organization and prioritization directly within the Kanban board
- Integrated **Azure Translate API** to support 112 languages, enhancing application accessibility and expanding the potential user base

Healthcare Management Application

- Developed a comprehensive Healthcare Management System using **ReactJS**, **Spring Boot**, and **PostgreSQL**, aimed at enhancing healthcare operational efficiency by up to 40%
- Incorporated **Spring Data JPA** and **PostgreSQL** for efficient and secure handling of patient and billing data, ensuring compliance with healthcare data standards

EXTRACURRICULAR ACTIVITIES

LDRP Institute of Technology and Research, Gandhinagar, Gujarat, India *Feb 2021 - Jul 2021*
Community Service Head

- Organized and led multiple community service initiatives, including fundraisers, donation drives, and volunteer events, resulting in impactful contributions to local charities and organizations