

MOUNISH NANU

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Education

University of North Carolina - Charlotte

Master Of Science, Computer Science

August 2024 – Dec. 2025

4/4 GPA, Charlotte, NC

Technical Skills

Programming Languages: Java, Python, JavaScript, C , C++, Shell-Scripting, SQL.

Technologies/Frameworks: Spring Boot, React, Node.js, TypeScript, Tailwind, RESTful API, OAuth

Tools: Git, GitHub, Jira, Jenkins, Figma, CI/CD, Docker, Postman, Linux, VS Code, IntelliJ, Zephyr.

Cloud Platforms : AWS (EC2, RDS, EMR, S3, Lambda, IAM, CloudWatch)

Others : Data Structures , Kafka, Redis, Object-Oriented Design, Design Patterns, Micro services, Distributed Systems.

Experience

Complama , USA

June 2025 – Present

Full Stack Developer Intern

Detroit, Michigan

- Developed responsive and interactive **User Registration, Login, and Workspace Management** pages to enhance usability and ensure seamless onboarding.
- Integrated **OAuth 2.0 authentication** with Google and Microsoft accounts to streamline the signup/login experience.
- Designed and implemented a robust **post-authentication onboarding flow** to collect additional user details (e.g., company name, terms acceptance) after OAuth login.
- Built a dynamic and scalable **workspace creation and redirection system**, including domain-matching logic and approval-based workspace access.
- Developed detailed **logging and validation APIs** to support debugging, diagnostics, and future scalability.
- **Tech Stack:** React, Spring Boot, MySQL, OAuth 2.0, REST APIs, Git, SDLC practices

University Of North Carolina at Charlotte Charlotte, USA

Jan 2025 – May 2025

Teaching Assistant

- Assisting Dr. Li Yang in delivering engaging instruction on foundational Artificial Intelligence topics.
- Teaching key AI concepts, **including probability & information theory, search techniques, knowledge representation, Bayesian networks, and foundational machine learning.**
- Ensuring students develop a strong understanding of AI fundamentals to prepare them for advanced studies.
- **Tech Stack:** Python, Statistics, Jupyter notebooks, Search Algorithms.

Projects

PayNGo: A Secure Transaction Service API | Java, Spring-Boot, Payment Gateway, OAuth, Redis

January 2025

- Built and deployed over **15+ RESTful APIs** to manage products and transactions, enabling real-time CRUD operations.
- Designed and implemented a secure **OAuth 2.0-based authentication system**, reducing unauthorized access risks by over **95%** and supporting scalable role-based access control.
- Integrated the **Stripe Payment Gateway**, enabling fast and secure payment processing for over **1,000+ simulated transactions**, achieving 99.9% success rates in test cases.
- Leveraged **Redis caching and Apache Kafka** to reduce product retrieval latency by **90%** and enable real-time event-driven communication across services.

ShopEase UI: A React-Powered E-Commerce Experience | JavaScript, React, Redux

October 2024

- Developed a dynamic e-commerce application from scratch using React and integrated Redux for centralized state management across **20+ components**, improving code maintainability by **40%**.
- Implemented key features such as a product rating system, cart functionality, and category-wise product display, resulting in a **30% increase in user engagement** during testing.
- Ensured a responsive and seamless UI/UX by following modern design principles and building **fully reusable React components**, achieving **100% responsiveness** across desktop and mobile devices.

Leadership / Extracurricular

- **General Secretary:** Association of CSE, representing the whole department in the collage final year.
- Mess committee leader in hostel, representing (+computer science students)
- Led the core team responsible for organizing the cultural fest, Rhapsody with 500+ participants.