Nikhil Sai Marri

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EXPERIENCE

Developer (Part-Time), JCK Library – Univ. of Central *Missouri*   Aug 2024 – Present, Mo, USA
- Automated and deployed Python scripts to automate inventory tracking, directly reducing manual errors by 35%.
- Integrated Google Sheets API for real-time data synchronization, enhancing reporting efficiency for 1000+ records daily.
- Partnered with IT staff on library system updates, ensuring 99.9% system uptime for 500+ daily users.

Software Engineer , Wipro Technologies, *Hyderabad, India*   May 2022 – December 2023
- Designed, built, and maintained 15+ distributed microservices using Java and Spring Boot, enhancing system modularity and supporting 5000+ concurrent users.
- Implemented 20+ secure RESTful APIs with JWT authentication, improving system security by reducing unauthorized access by 15%.
- Automated deployment processes and containerized applications using Docker, accelerating deployment cycles by 30%.
- Conducted 50+ code reviews, pinpointing vulnerabilities and preventing production defects, leading to higher quality code, and ensuring adherence to coding standards on three Agile teams.
- Optimized relational database queries for MySQL, achieving a 25% improvement in response times for critical data operations. Integrated Kafka for asynchronous messaging pipelines across critical modules, improving data flow reliability.
- Used Redis for real-time caching, leading to 28% faster response times for high-traffic endpoints.

Software Engineering Intern, Wipro Technologies   *Mar 2022 – May 2022*
- Created **internal automation tools** using **Python**, automating **data processing tasks** and reducing manual effort by **40%**.
- Provided critical support for the migration of **5 legacy systems** to a **distributed microservices architecture**, increasing **system reliability by 10%**.
- Actively participated in **daily stand-ups** and **sprint retrospectives**, contributing to **continuous process improvement** within a **cross-functional team**.

EDUCATION

Master's in Computer Science (3.75/4 Cgpa)	Univ. of Central Missouri, MO, Usa	01/2024-12/2025

Relevant Coursework: Algorithms, computer Networking, Information Assurance

Bachelor of Tech. in Mech Engineering (3.0/4 Cgpa)	Anits, Vsp, India	07/2019-05/2022

SKILLS

- **Programming Languages: Java**, Python, C++, C, JavaScript, SQL
- **Backend & Frameworks:** Spring Boot, RESTful APIs, Microservices
- **Databases: MySQL**, MongoDB, PostgreSQL
- **DevOps & Tools:** Docker, Git, GitHub, Jenkins (CI/CD), Postman, IntelliJ, VS Code
- **Other: Kafka, Redis,** Low level Systems Design, Data Structures and Algorithm analysis

PROJECTS

Movie Review System

Technologies: Java (Spring Boot), React, JavaScript, HTML5, CSS3, MySQL, Microservices Architecture, Docker
- Led **full-stack development** of a scalable **movie review web application**, implementing **10+ core features**.
- Spearheaded the development of 15+ reusable React UI components, cutting down overall development time by 10 hours per week and enabling faster feature deployment cycles.
- Built **15+ modular front-end components** in **React**, boosting code reusability by **20%**.
- Leveraged **Docker** for containerizing **5+ microservices**, reducing deployment time by **15%**.
- Engineered **12 RESTful APIs** for data management, supporting **100+ transactions/second**.
- Managed team efforts in a **4-person Agile team**, resolving **20+ technical issues/sprint**.

Learning & Onboarding Portal

Technologies: Spring Boot, React, JavaScript, HTML5, CSS3, MySQL, Docker
- Engineered a comprehensive **web portal** with **8+ key features** for user onboarding and learning management.
- **Constructed** and maintained **8 RESTful APIs** for authentication, registration, and access control.
- Developed **responsive frontend** using **React, HTML5, CSS3**, achieving **sub-second load times** and **optimal browser rendering**.
- Utilized **Docker** to containerize services, reducing setup time by **20%** and streamlining deployment.

CERTIFICATIONS

- Microsoft Certified: Azure Developer Associate   Credential ID 6FC94F7E9616B5C8
- Programming, Data Structures and Algorithms using Python, NPTEL   Credential ID NPTEL20CS26S1913972

**CPT eligible | Available full-time from August 18th 2025 to December 13th 2025 | Willing to relocate for internship **