ANUSRI METTALA

• Open to relocate • anusreemettala@gmail.com • LinkedIn • GitHub • My Portfolio

EDUCATION

Purdue University, Indianapolis, IN   **August 2023 – May 2025**
Master of Science in Computer Science   GPA: **3.6/4.0**
- **Relevant Coursework:** Advanced Database Concept, Data structures and algorithms, Software Engineering, Computer Networks, Cloud Computing, Visual Design, Introduction to Data Science, Security Engineering, Software Quality Assurance

Jawaharlal Nehru Technological University, Hyderabad, India   **August 2018 – June 2022**
Bachelor of Technology in Computer Science and Engineering   GPA: **9.1/10.0**

TECHNICAL SKILLS

Languages: Python, Java, Golang, C#, TypeScript, HTML, CSS, Bootstrap, JavaScript, ReactJS, Spring Boot, RESTful API, Gin
Databases: MySQL, PL/SQL, PHP
DevOps & CI/CD: Docker, Jenkins, Git, Kubernetes, JSON, GitHub, Bitbucket
Tools: Visual Studio, VS Code, SQL Workbench, Postman, Jest, MS Office, Wireshark, Jest, Junit, Microsoft Excel, WordPress, Unit Testing
Product Management: Product Lifecycle Management, Jira, Notion, Scrum, Agile, Power point, MS Office, Data analysis, SDLC

PROFESSIONAL EXPERIENCE

Web Programmer, **The Polis Center**, Indianapolis, IN   **May 2024 – Present**
- Developed secure RESTful APIs for user authentication and authorization using Golang and Gin, including flows like signup, login, password reset, and email verification.
- Architected modular backend layers (handlers, models, DB queries) to improve maintainability, readability, and testability.
- Integrated GORM ORM with Microsoft SQL Server to implement structured CRUD operations for user workflows.
- Implemented JWT-based session tokens with middleware for session management and RBAC.
- Built CI/CD workflows using GitHub Actions and Docker-in-Docker, deploying containerized Golang services via Helm to Kubernetes clusters; enhanced release automation and reduced manual setup time by 40%.

Full Stack Developer, Comet Lab, Indianapolis, IN   **September 2023 – Present**
- Developed full-stack web applications and dynamic websites for small vendors using WordPress, Java, ReactJS, JavaScript, MySQL.
- Created a Project Management System in C# supporting task tracking, collaboration, and reporting.
- Built responsive, accessible UIs with ReactJS and hooks for cross-device compatibility.
- Collaborated with faculty and student teams to deliver scalable vendor-specific tools reducing manual operations by 40%.

Application Developer, DBS Bank, India   **July 2022 – August 2023**
- Developed and maintained Spring Boot microservices for high-volume banking applications, enabling secure transactions and user onboarding.
- Leveraged the MVC design pattern to streamline application architecture by separating concerns across models, controllers, and services, resulting in cleaner code, improved scalability, and easier maintenance.
- Implemented ORM-based persistence using Spring Data JPA and Hibernate for seamless data operations.
- Collaborated closely with Business Analysts and QA to gather specs, resolve edge cases, and validate use cases across frontend and backend.
- Refactored legacy codebases by resolving critical and major issues flagged by SonarQube and Fortify, implementing reusable components, optimizing logic, and reducing code complexity by 30% for better maintainability and performance.

PROJECTS

Smart Email Assistant - *React, Material UI, Spring Boot, Java 17, Gemini API, Chrome Extension*   **Code**
- Built a full-stack AI-powered email reply generator with tone customization (professional, casual, etc.). Developed a responsive frontend using React + MUI and a Spring Boot backend integrated with Gemini API. Extended capabilities through a Chrome Extension embedded in Gmail, enabling one-click smart replies.

Bird Species Identification using CNN - *Python, TensorFlow, CNN, Image Classification*
- Developed a convolutional neural network (CNN) model to accurately classify bird species from image data. Implemented data preprocessing techniques using OpenCV and augmented datasets to improve model generalization. Achieved high classification accuracy through fine-tuning of CNN layers and hyperparameters.

APPRENTICESHIP AND HACKATHONS

- **Cisco Networking Academy® Program** apprenticeship, acquired skills in networking fundamentals and system administration.
- **HackIndy 2025** – Purdue Indy Computer Science Club
  - Collaborated in a 4-day hackathon to build innovative tech solutions, sharpening teamwork and problem-solving skills.
- **DBS Hack2Hire 2022** – DBS Bank
  - Demonstrated expertise in application development during a virtual hackathon, earning a full-time offer from DBS Bank.