

Yoshita Punnati

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PROFILE

Dedicated Software Engineer with strong expertise in web development and database management. Proficient in coding, debugging, and problem-solving, with a proven ability to translate theoretical knowledge into scalable, real-world solutions. Known for adapting quickly to new technologies and consistently delivering high-quality, maintainable code in dynamic environments.

EDUCATION

Jain University, Bangalore

2022 - 2026 (*Expected*)

Bachelor of Technology in Computer Science and Engineering

CGPA: 9.14

WORK EXPERIENCE

Intern, Up To Skills

Jan 2025 – Feb 2025

- Contributed innovative ideas and solutions to enhance team performance and outcomes.
- Developed a CNN-based image classification model to detect eye diseases including Diabetic Retinopathy, Cataract, and Glaucoma using retinal images.

PROJECTS

- **Data Hiding in Code-Based Steganography:** Project focused on enhancing data hiding capacity in code-based steganography. Implemented techniques to securely embed data within code without affecting its functionality. Aimed to improve the efficiency and robustness of data hiding methods.
- **Network Anomaly Detection:** A real-time anomaly detection system using Isolation Forest, Autoencoders, and DBSCAN with live packet capture via PyShark. Enabled adaptive threat alerts with visualizations and periodic model retraining.
- **Deep Learning-Based Eye Disease Classification Using Retinal Images:** Classified Diabetic Retinopathy, Glaucoma, and Cataract from retinal images using a CNN model. Applied dimensionality reduction for visual insights and early detection support.
- **AI Codebase Assistant :** Developing a smart coding assistant that explains code directly inside the editor using LLaMA 3 (70B) via Groq , python , FastAPI , TypeScript. Designed to help developers understand and navigate codebases more easily.

SKILLS

Languages: Python, SQL, Java, HTML/CSS

Development: MySQL, MongoDB , React.js, Node.js,

Core Concepts: Data communication and Computer networks, DBMS , OOPs, Data Structures and Algorithms

Operating Systems: Windows, Linux

Soft Skills: Adaptability, Agile, Communication, Collaboration, Problem Solving

CERTIFICATIONS

- Introduction to Interactive Programming in Python- Rice University, 2023
- Introduction to Generative AI - Google, 2024
- NoSql database Essentials - IBM, 2024
- Digital skills: Artificial Intelligence - Accenture, 2025