

Appu B Appannagol

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EDUCATION

M S Ramaiah Institute of Technology

Bachelor of Engineering in Computer Science(AI ML) | CGPA: 8.59/10

Prerana Pre-University College

Pre-University Course (12th Grade) | Aggregate: 95.6%

Bengaluru, Karnataka

Dec. 2022 – Jun. 2026

Dharwad, Karnataka

Mar. 2020 – May 2022

EXPERIENCE

Accenture

Associate Software Engineer Intern

Bengaluru, Karnataka

Dec. 2025 – Present

- Currently undergoing structured training in Agile methodologies, Software Development Life Cycle (SDLC), and DevOps practices.
- Working in the Enterprise Networks and Cloud domain, supporting infrastructure-related tasks.
- Gaining hands-on experience with AWS services and cloud deployment workflows.

PROJECTS

LegalMind: Multi-Agent Legal Assistant [\[GitHub\]](#)

June 2025

Python, CrewAI, LangChain, Chroma, Tavily API, Streamlit

- Developed an AI-powered legal assistant using CrewAI that classifies user-inputted legal issues, identifies relevant IPC sections, and generates formal legal documents.
- Implemented four specialized agents—Case Intake, IPC Section, Legal Precedent, and Legal Drafter—powered by Groq LLaMA 3 70B to handle different stages of legal query resolution.
- Designed an interactive Streamlit-based UI to enable seamless legal issue input, IPC mapping, precedent lookup, and automated legal document generation.

Fetal Brain abnormality Detection Using Ultrasound Images [\[GitHub\]](#)

May 2025

Python, TensorFlow, Flask, HTML, CSS, JavaScript

- Developed deep learning models using CNN, Xception and EfficientNet architecture to classify fetal brain anomalies into 16 disease categories, with EfficientNet achieving 92% accuracy.
- Implemented Grad-CAM with color percentage analysis to visualize and quantify model attention, enhancing interpretability of predictions.
- Built a Flask-based web interface to upload images, display classification results, and present Grad-CAM heatmaps for real-time decision support.

EcoSnap: AI-Powered Waste Management Platform [\[GitHub\]](#)

March 2025

Next.js, React, Tailwind CSS, Gemini AI, PostgreSQL

- Built a full-stack AI-powered waste management platform using Next.js 14, React and Tailwind CSS with real-time task tracking and responsive UI.
- Used Google Gemini AI to analyze waste images, identify type, estimate quantity, record location via Google Maps, and verify after collection.
- Designed and integrated a PostgreSQL database to store user data, waste reports, and collection history, ensuring efficient querying and scalability.

TECHNICAL SKILLS

Languages: C++, Python, C, JavaScript, HTML, CSS, SQL

Frameworks & Libraries: Flask, React, Next.js, MongoDB, TensorFlow

Tools & Platforms: Github, Pycharm, Visual Studio Code, Figma

Core CS Concepts: Database Management Systems, Operating Systems, Data Structures & Algorithms, Computer Networks, Object-Oriented Programming

CERTIFICATIONS

NPTEL Cryptography and Network Security, IIT Kharagpur

NPTEL Software Engineering, IIT Kharagpur

Google Cloud Career Launchpad: Generative AI Track, Google Cloud

AWS Academy Graduate: AWS Academy Cloud Foundations, AWS Academy