

CONTACT

- ✉ heyajayss@gmail.com
- ☎ +91 9900005087
- in <https://www.linkedin.com/in/ajay-ss-03b51b226>
- 📷 [Ajay2k4](#)

EDUCATION

2020-2023

MEI POLYTECHNIC

- Electronics and communication

2023-2026

RV UNIVERSITY

- School of Computer Science Engineering

HACKATHONS

- AI4Police Hackathon
- Agentic AI Day Hackathon
- Hosted by Google Cloud

SKILLS

- Programming Languages: Java, Python, C programming
- Web Development: HTML, CSS, JS
- Backend Development: FastAPI, Flask, RESTful API development
- Frameworks: TensorFlow, PyTorch, Spring, Matplotlib, NumPy, Seaborn
- Databases: SQL, MongoDB
- Operating Systems: Linux
- Machine Learning: Deep learning, Data preprocessing, Model training, Geospatial data analysis
- Cloud Services: AWS, GCP
- Containerization: Docker
- Version Control: GitHub- CI/CD

PROFILE

I am an enthusiastic and self-motivated developer eager to contribute to innovative projects. My strong foundation in AI, ML/DL, and full-stack development, coupled with hands-on experience in real-world projects, makes me an ideal candidate. I am eager to learn and apply cutting-edge technologies to solve complex challenges.

WORK EXPERIENCE

Computer Vision Intern

- Rezler Technology - [Bangalore, India]
- Work type - Remote -Present
- Worked on developing and optimizing computer vision models for object detection and recognition tasks.
- Assisted in preprocessing image and video data for training machine learning models.
- Implemented algorithms using Python, OpenCV, YOLO, OCR and deep learning frameworks such as TensorFlow/PyTorch.
- Collaborated with the engineering team to integrate vision models into real-time applications.

Project Drishti - (Agentic AI Day 2025)-Hosted by Google Cloud

Developed a multi-agent system to enhance event safety using Google Cloud AI.

Technologies: Gemini Pro, Vertex AI (Vision, Forecasting), Firebase, Google Maps API.

Key Highlights:

- Predictive Risk Analysis with Vertex AI Forecasting.
- Real-time Crowd Detection using Vertex AI Vision.
- Anomaly Identification (smoke, panic) via Gemini.
- Automated Responder Dispatch using Maps API & FCM.
- Shared Memory Architecture with Firebase Firestore.

Explainable AI for Pneumonia Detection using Medical Imaging

Developed an AI-driven pneumonia detection system using chest X-rays, enhanced with Explainable AI techniques to provide model interpretability and transparency.

• Technologies: TensorFlow, Keras, CNN, Python, LIME, SHAP, Grad-CAM

• Key Features:

- Trained CNN models with transfer learning for accurate diagnosis.
- Integrated LIME, SHAP, and Grad-CAM for model explanation and visualization.
- Conducted preprocessing, training, and evaluation in Python.

Student Assistant AI using Multi-Agent System - Project

Built an AI-powered educational assistant designed to help competitive exam aspirants through modular intelligent agents managed by Cursor AI.

• Technologies: OpenAI, Hugging Face, DALL-E, Google Cloud TTS, MongoDB, Cursor AI, FastAPI, React

• Key Features:

- Developed modular agents: Notes Generator, Chatbot Summarizer & Test Creator, Flashcard Generator, Audio Podcast Narrator, and PrepCheck AI for interactive assessment.
- Dynamic content ingestion (PDFs, YouTube links, screenshots) and transformation across text, audio, and image formats via multi-agent architecture using Cursor AI.

CERTIFICATES

- Big Data Computing (NPTEL)
- Cloud Computing (NPTEL)
- OpenAI Generative Pre-trained Transformer 3 (GPT-3) for developers