

# Aashish Shrestha

+91 8590498038   aashishstha34@gmail.com   Arasur, Coimbatore  
aashish1008   aashish-shrestha   https://huggingface.co/dekuthenerd   https://medium.com/@aashishstha34

## Education

### KPR Institute of Engineering and Technology

Bachelor of Technology in Artificial Intelligence and Data Science

Arasur, Coimbatore, India

November 2022 - Present

- *Current Year: 3rd Year, 6th Semester (Anticipated graduation: 2026)*
- *CGPA: 8.44/10*

Executive Member, S4DS(Student Society for Data Science) , KPRIET

## Skills

- **Languages:** Python, Java
- **Containerization:** Docker, Docker Compose
- **Vector Database:** ChromaDB, FAISS
- **Data Science & ML:** Numpy, Pandas, Scikit-learn, TensorFlow/Keras, OpenCV, YOLO(v8), LangChain, Hugging Face, Agentic AI, LLMs
- **Version Control:** Git, GitHub
- **Database:** MySQL
- **Cloud & DevOps:** Azure Functions, Azure App Services, GitHub Actions (CI/CD), Azure AI Search

## Internship Experience

### Incorp Global | Software Engineering Intern

April 2025 - Present

- Working on GenAI-powered systems using Azure GPT-4.1, RAG, and LangChain for intelligent content generation
- Building APIs, agent workflows, and secure authentication flows to support dynamic, multi-turn user interactions
- Deploying and maintaining cloud applications using Docker, GitHub Actions, Azure App Service, and Azure Functions

### Unified Mentor (Remote) | Data Science Intern

June 2024 - July 2024

- Developed an image classification model using transfer learning, achieving 80% accuracy in food item recognition.
- Improved performance by 15% through hyperparameter tuning and data augmentation techniques.
- Built an academic research assistant using RAG for automated document retrieval and summarization.

### Yaane Technologies (Coimbatore, Remote) | Training Intern

December 2023 – January 2024

- Built a tool to analyze checkbox data from scanned survey forms using computer vision techniques.
- Applied OCR optimization techniques to improve accuracy across varied handwriting styles.
- Developed automated data entry pipelines for extracting digital wellbeing metrics.

## Projects

### Predictor System Using ZenML & MLflow

Mar 10, 2025 - Mar 20, 2025

*Technologies: ZenML, MLflow, Python, Scikit-learn, Seaborn, Matplotlib, Pandas, NumPy*

- Built end-to-end ML pipelines with ZenML for data ingestion, preprocessing, training, and evaluation.
- Worked with MLflow to log experiments, manage model versioning, and streamline deployment.
- Designed scalable and reproducible pipelines supporting multiple datasets and models.

Github: <https://github.com/aashish1008/Predictor-System-Using-ZenML-MLflow>

### Real Time Flight Tracker using Agentic AI

Feb 10, 2025 - Feb 12, 2025

*Technologies: CrewAI, Python, Qwen 2.5 LLM*

- Built a dual-agent system with CrewAI to retrieve and answer flight-related user queries in real time.
- Implemented structured function calls and JSON outputs for seamless agent communication.
- Used a predefined flight database to fetch flight details based on user-input flight numbers.

Github: <https://github.com/aashish1008/Real-Time-Flight-Tracker-using-Agentic-AI>

### AutoNotion AI: Chrome Extension

Oct 10, 2024 - Oct 12, 2024

*Technologies: LangChain, Python, Flask, FAISS, Chrome Extensions API, LLaMA3, Cohere Embeddings, JavaScript*

- Developed a Chrome extension for auto note generation from YouTube transcripts and web pages.
- Integrated LangChain, FAISS, and LLaMA3 for RAG-based summarization and structured outputs.
- Deployed locally using Flask with Chrome Extension API and CORS support.

Github: <https://github.com/aashish1008/AutoNotion-AI-Chrome-Extension>

## Certificates

- Acquiring Data (via Swayam)
- EDA for Machine Learning (via Coursera)
- Python for Data Analysis (via Coursera)
- Supervised Learning Regression (via Coursera)
- Supervised Learning Classification (via Coursera)
- Git and GitHub (via 365 Data Science)

## Achievements

- **Best Paper Award in Paper Presentation**
- **Participated in Tata Hackathon**
  - SUSTAINAI : Your Guide to Eco-Friendly Car Interiors (GENAI PROJECT)
- **Participated in SIH Hackathon 2024**
- **Participated in Intel Gen AI Hackathon 2024**
- **Executive Member (SDC CLUB)**