

Jeevan Raj M

B.E. Student – Artificial Intelligence & Data Science

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PROFILE

Final-year B.E. student in Artificial Intelligence & Data Science at the University of Mysore, currently in the eighth semester. Practical experience building ML pipelines, deep learning models, and end-to-end AI applications spanning NLP, computer vision, and full-stack deployment. I enjoy solving real-world problems — from building intelligent clinical platforms to supporting diagnostic workflows through AI — taking ownership from ideation to a working product.

EDUCATION

B.E. – Artificial Intelligence & Data Science | Mysore University School of Engineering

July 2022 – July 2026

- Achieved a GPA of 9.74 across the first seven semesters, with strong results across AI, ML, and data science subjects.
- Coursework covers machine learning, deep learning, computer vision, NLP, DBMS, and data structures.

Advanced Diploma in Computer Programming (ADMCP) | AIMIT Institute, Mysore

2024 – 2026

- Covered programming fundamentals, application development, and core software concepts alongside the B.E. programme.

EXPERIENCE

AI Development Intern — Kinetrix Technologies LLP

Oct 2025 – Present

- Contributing to the development of an AI-Integrated Healthcare Platform leveraging Open Healthcare Resources (OHR) for clinical documentation and diagnostic support.
- Building NLP pipelines using Whisper and BERT for real-time voice-to-text conversion of doctor dictations into structured clinical reports.
- Currently developing a computer vision module using YOLO and ResNet for automated analysis of radiology images (X-rays, CTs, MRIs) to provide preliminary diagnostic support.
- Ensuring interoperability with EHR systems via HL7 FHIR and DICOM; secured with OAuth2, JWT, and RBAC; deployed on AWS/Azure.

Data Science & ML Intern — Infotact Solutions (Virtual)

Sep 2025 – Nov 2025

- Worked on complete ML workflows — data collection, cleaning, feature engineering, model training, and evaluation — using Python, Scikit-learn, Pandas, and NumPy.
- Analysed real-world datasets and applied supervised learning algorithms to generate meaningful, data-driven outcomes.

PROJECTS

AI-Integrated Healthcare Platform (Major Project, In Progress)

2025 – 26

- Building a smart clinical platform that converts doctor voice dictations into structured medical reports using Whisper and BERT, significantly cutting documentation time.
- Currently developing a radiology interpreter with YOLO and ResNet to detect anomalies in X-rays, CT scans, and MRIs — providing automated preliminary diagnostic support to clinicians.
- Ensuring interoperability with EHR systems via HL7 FHIR and DICOM; secured with OAuth2, JWT, and RBAC; deployed on AWS/Azure.
- Stack: Python (FastAPI), React.js, PostgreSQL, TensorFlow, Whisper, BERT, YOLO, ResNet

Disaster Segmentation (github.com/jeevanraj-28/Disaster-segmentation)

2025

- Trained a deep learning model for pixel-level semantic segmentation of disaster-affected areas in satellite and aerial imagery to assist emergency responders in rapid damage assessment.
- Stack: Python, PyTorch, OpenCV, NumPy

CafeCritic – Cafe Recommender System (github.com/jeevanraj-28/cafecritic-recommender)

2025

- Built a recommendation engine combining collaborative and content-based filtering to surface personalised cafe suggestions based on user preferences and ratings.
- Stack: Python, Pandas, Scikit-learn, Flask

SKILLS

Programming: Python, C & C++ (basics), SQL (basics)

Frameworks & Tools: TensorFlow, PyTorch, Scikit-learn, Flask, FastAPI, Pandas, NumPy, OpenCV, Git

AI / ML: Machine Learning, Deep Learning, NLP, Computer Vision, Recommendation Systems

Concepts: Data Structures & Algorithms, Algorithm Design, Statistical Modelling, Data Analysis & Visualisation, Feature Engineering, Model Evaluation & Metrics, ML Pipeline Development