

NIHAL

Mangalore, Karnataka, India

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CAREER SUMMARY

AI & ML Enthusiast with strong skills in Python, SQL, Machine Learning, and Deep Learning. Experienced in building projects using Generative AI, LLMs, and data-driven applications. Passionate about applying AI solutions to real-world problems in fast-paced environments.

EDUCATION

Vivekananda College of Engineering and Technology	2022 – 2026
<i>Bachelor of Engineering in Artificial Intelligence and Machine Learning</i>	<i>Dakshina Kannada, Karnataka</i>
Sacred Heart PU College, Madanthyar	2020 – 2022
<i>Pre-University Course</i>	<i>Dakshina Kannada, Karnataka</i>

COURSEWORK AND TECHNICAL EXPERTISE

- Artificial Intelligence
- Machine Learning
- Deep Learning
- Web Development
- Database Management Systems
- Natural Language Processing

PROJECTS

Pneumonia Detection using Deep Learning

- Developed a deep learning model to accurately detect pneumonia from chest X-ray images.
- Implemented **Convolutional Neural Networks (CNNs)** to classify images as *Normal*, *Bacterial Pneumonia*, or *Viral Pneumonia*.
- Tech Stack:** Python, TensorFlow, Keras, OpenCV, NumPy, Scikit-learn, Matplotlib, CUDA.

AI-Based Cover Letter Generator (Covlette)

- Built an AI application that generates **personalized cover letters** from resumes and job descriptions.
- Utilized **Llama 3 with Retrieval-Augmented Generation (RAG)** for contextual understanding and professional tone generation.
- Tech Stack:** Python, LangChain, Llama 3, Streamlit, FAISS.

EduTrack AI – Personalized Learning Path Recommender

- Created a web application that recommends **career paths, free online courses, and projects** based on student profiles and interests.
- Developed an intelligent pipeline to analyze resumes and generate customized learning plans.
- Tech Stack:** Python, Streamlit, Llama 3, Scikit-learn, FAISS.

Agentic AI – Job Recommendation and Cover Letter Assistant

- Developed an AI-powered system that recommends jobs based on resumes and job postings using NLP and semantic similarity.
- Integrated **Easy Apply** and **Application Tracking** modules to streamline the job application process.
- Implemented automated cover letter generation with agentic workflows for enhanced personalization.
- Tech Stack:** Python, LangChain, Llama 3, FastAPI, Streamlit, FAISS.

EXPERIENCE

Codec Technologies Pvt. Ltd.

Artificial Intelligence Intern

Remote, India
June 2024 – August 2024

- Completed an **AICTE and ICAC approved internship** in Artificial Intelligence.
- Worked on real-world AI/ML applications including model design, training, and deployment pipelines.
- Gained experience in **deep learning, natural language processing**, and end-to-end model integration.

TECHNICAL SKILLS

Programming Languages: Python, Java, C

Web Development: HTML, CSS, Streamlit, Flask

Machine Learning Frameworks: TensorFlow, PyTorch, Scikit-learn

Deep Learning: CNNs, RNNs, Transfer Learning, Fine-tuning