

Akshay Kumar

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PROFILE

Aspiring AIML Engineer with hands-on experience in Deep Learning, NLP, and RAG systems. Skilled in Python, C++, Java, and SQL with a strong foundation in data structures, algorithms, and model deployment. Passionate about creating AI solutions that solve real world problems.

EDUCATION

- **Vivekananda College of Engineering and Technology, Puttur** 2022 - 2026
B.E. in Artificial Intelligence & Machine Learning
Current CGPA: 8.42
- **SDM PU College, Ujire** 2020 - 2022
PUC
Percentage: 62%
- **Vani English Medium School, Belthangady** 2020
SSLC
Percentage: 86.6%

SKILLS

Languages: C, C++, Python, Java, SQL

Tools: VS Code, Jupyter Notebook, Git, Excel, MySQL

Platforms: Power BI, Kaggle, Google Colab

PROJECTS

Pneumonia Detection using Deep Learning

- Developed a deep learning model to classify chest X-ray images into viral pneumonia, bacterial pneumonia and normal categories.
- Implemented using Python, PyTorch with CNN architecture for feature extraction.
- Achieved over 90% validation accuracy, deployed via Streamlit.

AI-Powered Cover Letter Generator

- Developed an AI system to automatically generate personalized cover letters by analyzing a user's resume and job description.
- Utilized Large Language Models, LangChain, and a vector database (RAG).
- Users can customize and export cover letters in PDF format.

Agentic AI – Job Recommendation & Cover Letter Generation

- Developed an intelligent job recommendation system that analyzes candidate resumes and job postings to provide tailored opportunities.
- Integrated Easy Apply feature for one click job applications.
- Integrated with the AI-Powered cover letter generator.

CERTIFICATIONS

- TATA GenAI Powered Data Analytics Job Simulation (Sept 2025)
- Understanding Agentic AI (Aug 2025)
- Introduction to RAG (Mar 2025)
- Introduction to Generative AI (Mar 2025)