

# Akshay Kumar

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## EDUCATION

<b>B.Tech in Electrical Engineering, Minor in CSE, Delhi Technological Institute (2023-27)</b>	<b>CGPA: 8.4</b>
<b>Class XII (CBSE) Govt. Boys Senior Secondary School Vashundhra Enclave</b>	<b>75.2%</b>
<b>Class X (CBSE), Govt. boys sarvodaya sr. sec. School Dallupura Delhi</b>	<b>81.4%</b>

## SKILLS

**Languages:** C++, C, Python, JavaScript, SQL, HTML, CSS

**Frameworks:** React.js, Redux-toolkit, Tailwind, Data Science Libraries (Pandas, Numpy, Matplotlib, Seaborn), ML and DL (Scikit-learn, Tensorflow, Keras), Streamlit, Flask,RAG, LangChain, LangGraph, OpenAI, FastAPI, Postman

**Developer Tools:** Git, GitHub, Excel, Power BI, VS Code, Canva, Figma, Microsoft Word, Google Colab, Copilot

## EXPERIENCE

**USIP Intern (Python Programmer) at University Student Internship Program, India** Oct 2024 - Dec 2024

- Selected as 1 of 20 Top Applicants from 300 based on demonstrated advanced programming and technical proficiency.
- Developed individualized Python curricula for 20+ novice programmers, focusing on hands-on projects and interactive exercises, resulting in 100% course completion and positive feedback on teaching approach.
- Developed Hands-on Coding assignments, solving real-world scenarios, and interactive sessions to enhance Practical skills.

## PROJECTS

**DocuMind-AI, Ai Powered Legal Assistant** [Link](#) | OpenAi, LangChain, Qdrant Db, PyPdf Aug 2025

- Built an AI-based system to extract structured insights from **legal, insurance, and compliance documents**
- Designed and implemented **BERT-based embeddings (768–1024 dim)**, **Qdrant+MMR retrieval**, and **LLM-driven (GPT-5)** insight generation
- Integrated APIs enabling automated query handling, semantic search, and JSON-formatted decision outputs.
- Reduced processing time from **5 min to 20 sec** with 92% clause extraction accuracy on a 500-document dataset

**SmartPrep AI, Ai Powered Study Assistant** [Link](#) | OpenAi, LangChain, Qdrant Db, OCR + PyPdf Jun 2025

- Built a hybrid **Retrieval-Augmented Generation (RAG)** system to help students analyze 10 years of PYQs and recommend the most relevant book content.
- Combined **OCR and PyPDF** to robustly parse handwritten/scanned and digital PDFs, Implement Systems so that cost and time of embedding reduce **750 pages in 3 minutes**.
- Leveraged **OpenAI APIs and Qdrant** to analyze PYQs, identify 10-15 critical topics, and link them to relevant textbook content using semantic search (vector embeddings)

**Real-Time Stock Price Prediction** [Link](#) | Python, yfinance, CNN, ANN may 2025

- Engineered real-time financial data pipeline using **yfinance API**, capturing 10,000+ data points per minute for 50+ stocks and enabling the development of predictive trading models with Python.
- trained a **CNN neural network** to forecast short-term stock movements with MAE < 5%

**DeepFur: Cat vs Dog Image Classifier** [Link](#) | TensorFlow, Transfer Learning, CNN Jan 2025

- Accelerated **VGG16 model** inference across 25k images without compromising accuracy (95%)
- Analyzed and integrated an **early-stopping mechanism** within the training pipeline, which reduced model training time by **30 hours** per project while maintaining **performance accuracy above 95%**.

## ACHIEVEMENTS

- Awarded the prestigious **Neena Naangia Memorial Award** as the sole recipient across the 2027 batch for exceptional academic performance and technical skills
- LeetCode Achievements:** Secured a global rank under **190k** (Top 3%), achieved **1500+ rating**, earned **4 proficiency badges**, and gained **9K+ views** on a solution.
- Selected among **Top 15** out of 2,500+ applicants for AI/ML BootCamp, 2024-25 organized by Microsoft Student Club, IGDTUW. Secured 2nd position across the Cohort for Consistency and Actively Participating.