

Akshat Raj

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Skills

Languages: C++, C, Python, Java, MySQL, HTML, CSS, JavaScript

DSA: Arrays, Strings, Linked List, Stack, Queue, Trees, Graphs

Frameworks: Bootstrap, Tailwind CSS, React, RESTAPI

Tools: GitHub, Canva, Excel, VS Code

Core: Problem-Solving, Leadership, Logical Reasoning, Quantitative Aptitude, Adaptability

Projects

Machine Learning–Driven Smart Logistics Optimization System

Dec 2025

- Designed a machine learning–based smart logistics system using **Scikit-learn** and **Pandas** to train supervised regression models.
- Performed data preprocessing, feature engineering, and model evaluation using **RMSE**, **MAE**, and **R²** to select the best-performing model.

Tech Stack: Python, Pandas, NumPy, Scikit-learn, Matplotlib, Google Colab

System Manager and Deadlock Remover

May 2025

- Developed a real-time deadlock detection system handling **50+** concurrent processes with **95%** detection accuracy.
- Reduced system hang incidents by **70%** by resolving deadlocks within 2–3 seconds using automated process recovery.

Tech Stack: Python, psutil, Tkinter

Real-Time NLP-Based Sentiment Analysis Visualization Dashboard

Feb 2025

- Built a real-time sentiment analysis dashboard processing **1,000+** inputs/hour with **92%** accuracy using neural networks and APIs.
- Visualized live text sentiment for analytical and decision-making purposes.

Tech Stack: Python, FastAPI, NLP, Neural Networks, HTML, CSS, JavaScript

Certifications

- Oracle Cloud Infrastructure 2025 Certified Foundations Associate – **Oracle** Aug 2025
- Oracle Cloud Infrastructure Generative AI – **Oracle** Aug 2025
- The Complete Machine Learning Course – **Infosys Springboard** Jul 2025
- Responsive Web Design – **FreeCodeCamp** Jul 2024

Achievements

- Scored **95.02** percentile in Naukri Campus Young Turks 2025 and qualified for Round 2.
- Contributor at GirlScript Summer of Code (**GSSoC'25**), collaborating on open-source projects using **Git**.
- Completed the intensive **FLAMES '25 Summer Training Program (DSA with Java)** by **W3Grads**
- Earned the **50 Days LeetCode Badge** for consistent problem-solving.

Extracurricular

Microsoft Achiever's Club

Sept 2023 – Feb 2025

Event Management

Punjab, India

- Led planning and execution of Microsoft Club events, improving engagement.
- Managed end-to-end event lifecycle for club initiatives.

Education

Lovely Professional University, Punjab

Aug 2023 – Present

B.Tech in Computer Science and Engineering[AI-ML] CGPA: 7.04

City Montessori School, Lucknow

Apr 2020 – Mar 2021

Intermediate; Percentage: 94%

City Montessori School, Lucknow

Apr 2018 – Mar 2019

Matriculation; Percentage: 92.8%