

Aditya Singh

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🌐 AdiSinghCodes

in Aditya Singh

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🌐 Portfolio

EDUCATION

- **Vidyalankar Institute of Technology** August 2023 - May 2027
Bachelor of Technology - Computer Engineering; GPA: 9.08 Mumbai, India
Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Computer Networks, Databases, Machine Learning.

SKILLS SUMMARY

- **Languages/Technologies:** Python, JavaScript, SQL, JAVA
- **Frameworks:** HTML5, CSS3, React.js, Node.js, Flask, Express.js, Tailwind CSS, REST APIs
- **Databases:** SQLite, PostgreSQL, MongoDB
- **ML & Data:** TensorFlow, Scikit-learn, NumPy, Pandas, NLTK, Matplotlib, CNN, RNN, LangChain, RAG
- **Soft Skills:** Leadership, Event Management, Public Speaking, Time Management

EXPERIENCE

- **S3K Technologies** Jan 2026 – June 2026 (6 mos)
AI Analyst Intern USA · Remote
 - Developed **agentic AI solutions** for **MEDCOMM** client, automating complex workflows and intelligent document processing for healthcare professionals.
 - Designed an **AI-powered interactive learning book** with **NLP** and personalized tutoring for students.
 - Created **50+ hands-on labs** and training modules for AI programs using Google Workspace and Microsoft Copilot.
- **Ministry of Defence – SIH** Sep 2024 – Dec 2024 (4 mos)
Team Leader – Government Of India 2024 (Finalist) Mumbai, Maharashtra, India · Remote
 - Led a team to the Grand Finale of Smart India Hackathon 2024, selected among the top **2.4%** of participants nationwide.
 - Tackled the **Women Safety Analytics** problem statement from **Bharat Electronics Limited (BEL)**.
 - Developed an innovative solution to enhance women's safety through advanced surveillance and real-time threat detection.

PROJECTS

- **Facebook Friend Recommendation - Graph Mining** [Repository](#) | [Live Demo](#) Jan 2026
 - Engineered **54 graph features** from **1.86M nodes** and **9.43M edges** using **NetworkX**, **PageRank**, **HITS**, and **SVD**.
 - Achieved **91.8% F1-Score** and **93% AUC-ROC** using **Random Forest**, handling cold start problem.
 - Deployed **Streamlit** app for real-time recommendations, processing **18.8M samples** with top-10 ranked predictions.
- **ParenthoodAI - RAG-Powered Support System for ADHD & Autism Parents** [Repository Link](#) June 2025
 - Built **RAG chatbot** with **Qdrant**, **Neo4j** knowledge graphs, serving **20+ languages** with multimodal I/O.
 - Developed full-stack app using **React**, **TypeScript**, **Node.js**, **MongoDB**, **Groq API**, and **Google Gemini**.
 - Created interactive child safety learning modules, deployed via **Docker** production pipeline.
- **Abhayam - Women Safety CCTV Analytics Software** [Repository Link](#) Dec 2024
 - Developed an **AI-powered CCTV analytics** solution for women's safety under **Ministry of Defence** guidance.
 - Utilized **computer vision** for **real-time threat detection** and gender/gesture analysis.
 - Our software aims to decrease the threat against women and provide instant justice.
- **Boleto-Connect - Payroll Management System (Consultancy)** [Repository Link](#) Sept 2024
 - Built **PERN stack (PostgreSQL, Express, React, Node.js)** for **Boleto Vadapav** automating **payroll** workflows.
 - Implemented **Google OAuth**, **JWT**, **role-based access control** for employee and manager workflows.
 - Designed **RESTful APIs** with **Express.js** and responsive UI using **React** and **Bootstrap**.

ACHIEVEMENTS AND LEADERSHIP

- **Oracle Cloud Infrastructure 2025 Certified Generative AI Professional**, skilled in LLMs, RAG, Semantic Search, Vector Databases, and LangChain.
- Completed **AWS Cloud Practitioner Essentials** certification, gaining expertise in cloud computing fundamentals and AWS services (Dec 2025).
- Won **1st Prize** at **Byte-Battle**, organized by the IETE Committee at Vidyalankar Institute of Technology, Mumbai.
- Secured **2nd Prize** at **Codethon**, outperforming 100+ teams through innovative problem-solving and teamwork.
- Mentored a team at **Toyota Hackathon 2025**, guiding development of a **Driving Angle App** with technical direction and strategic insights.
- Solved **200+ problems** on **LeetCode**, demonstrating strong problem-solving skills in data structures and algorithms.
- Completed freelance projects for companies including **Boleto Vadapav** and **Nuvance Technologies**.