KKARTIK AGGARWAL

COMPUTER SCIENCE ENGINEER

#3322 Sector 19D Chandigarh | portfolio-rho-opal-59.vercel.app | https://github.com/skigeek16

SUMMARY

Passionate, results-focused Software and Machine Learning Developer skilled in Python, C/C++, and Java, with expertise in modern AI architectures.Experienced in complete ML pipelines, from data preprocessing to real-time deployment.Proven track record through award-winning computer vision projects in academic and competitive environments

SKILLS

- **Programming Languages:** C, C++, Java, Python
- **Web Technologies:** HTML, CSS, Javascript
- **Machine Learning:** Data Preprocessing, Classical ML Algorithms,Deep Learning
- **Deep Learning:** CNNs, RNNs, Transformers,Diffusion Models,GAN,VLM's
- **Frameworks & Tools:** Py Torch, TensorFlow, OpenCV, ROS2, ROS Noetic, Gazebo
- **Development Practices:** Git, Linux

EDUCATION

Bachelor of Computer Science   July 2024 - Present

Delhi Technological University   CGPA-**9.75**

High School   Apr 2022 - Jun 2024

Khalsa public School   12th boards-**92**%   JEE MAINS-**99.747**%

PROJECTS

Weather Nowcasting Using Diffusion Models

Developed a diffusion-based deep learning model for cloud nowcasting, leveraging satellite imagery to generate high-fidelity short-term forecasts.

Meeting Insights And Follow Up Automation Agent

Built an AI agent for meeting insights and automated follow-ups, integrating speech-to-text, NLP summarization, and action item extraction to streamline workflow efficiency.

University Time Table Generation

Engineered an automated scheduling system to optimize university time tables. Utilized constraint satisfaction algorithms to minimize conflicts and maximize resource.

ACHIEVEMENTS

- 5th Place, **ISRO BAH**
- 2nd Place, **Mini Hackathon via K.A.M.A.L.A**
- 3rd Place, **Vision X Challenge**
- 1st Place, **Reverse Engineering Competition**

CERTIFICATES

- Machine Learning – **Coursera**
- Deep Learning – **Coursera**
- Web Development – **Coding Ninjas**

EXTRA-CURRICULAR ACTIVITIES

- **Co-head**, AIMS(AI/ML society) (2025)
- Ex-member, UGV Tech Team (2024)
- Presenter at Campus Machine Learning Meetups

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