



Pranay Pandit

UG (IV Year II Semester)
B.Tech. (Metallurgical & Materials Engineering)
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Registration No: 19118059/2023

Indian Institute of
Technology
Roorkee



VERIFIED

Area of Interest

Computer Vision, Machine Learning, Statistics, Data Science

Education

Year	Degree/Examination	Institution/Board	CGPA/ Percentage
2023	B.Tech. 4th Year	Indian Institute of Technology, Roorkee	7.924
2019	Intermediate (Class XII)	Sanmati Higher Secondary School	91.20 %
2017	Matriculate (Class X)	Sanmati Higher Secondary School	10.000

Internships

Machine Learning Intern | AI Monk Labs

October 2020 - July 2022

- Contributed to the OCR pipeline of the Tezz Scanner app
- Developed a fast, robust and accurate document detector from scratch using OpenCV and C++ and integrated it to android using Java Native Interface
- Implemented noise and illumination filters to enhance OCR performance and general readability
- Ported PyTorch models to TensorFlow Lite natively and bench-marked them using python and android debug bridge
- Developed an optical flow prototype to aid document tracking, effectively reducing error due to shaky cameras

Awards / Scholarships / Academic Achievements

- Ranked 11806 in JEE Mains
- Ranked 5614 in JEE Advance

Skills

Computer languages	C++, Python, SQL, Java
Software Packages	OpenCV, PIL, SciKit, Numpy, TensorFlow, Doxygen, Docker
Additional Courses	Marty Stepp CS106X Programming Abstractions, Kaggle Data Science Tutorial, PyImageSearch OpenCV Tutorial
Languages Known	English (SRW), Hindi (SRW)

Positions of Responsibility & Extra Curriculars

Open Source Contributor | OpenCV

March 2022 - April 2022

- Open source contributions to the text module of OpenCV contrib repository
- Detected and fixed a segfault occurring in large images due to very deep recursion in the SWT text detector
- Improved performance of a text detection sample by removing redundant disk calls

Core Team | E-Cell, IITR

January 2022 - Present

- Worked in a team of 80+ members to promote the spirit of entrepreneurship amongst 7K+ campus students
- Partnered with various companies, startup founders for insightful sessions, mentor-ship and internship opportunities for IITR students
- Initiated the Startup Booster program : an initiative for budding entrepreneurs in Campus
- Mentored student teams in the annual B-Plan competition - Endeavour, guiding and helping them through the process of creating business plans
- Conducted an in-depth sector analysis on Deep tech in a team of four on the impact of deep tech in India

Mentor | Student Mentorship Program

December 2021 - July 2022

- Volunteered as a Mentor of freshmen students of the Batch 2025, guiding and helping them to integrate within the campus culture and undergo a smooth transition to IITR.

Manager, Event Head | E-Summit, IIT Roorkee

January 2021

- Conducted Esummit 21' with 1.5X YoY growth, 1200 participation in 2021.
- Worked in a team of 50+ members as a Manager to organize Summit with 25+ events, 60+ collabs
- Lead Product Case Challenge, a three-round competition with 500+ participation in E-summit 21
- Managed the event's content, designed the structure and ensured smooth execution of the event
- Coordinated FinTech Case Challenge in E-Summit' 20, a two-round finance-based case study with 150+ participants

References

Koustubh Sinhal

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