

Ojasw Kant

COMPUTER SCIENCE AND ENGINEERING STUDENT
AT
SHIV NADAR INSTITUTE OF EMINENCE

Computer science and engineering undergraduate student eager to practice and work on ML, computing and autonomous systems. Seeking an opportunity to gain experience, refine skill-set and expand technical knowledge.

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EDUCATION

Bachelor of Technology in

Computer Science and Engineering | 2024-28

Shiv Nadar Institute of Eminence (SNIOE)

- CSE major pursuing a mathematics minor with a bias to courses in ML
- Member American Society of Mechanical Engineers (ASME)

12th Standard Education | 2023

Birla Vidya Niketan (BVN)

- CBSE Affiliated school
- Active member Atal Tinkering Lab

COMPETITIVE EXPERIENCE

NIDAR 2025

Team J.E.D.I

- Made a fully autonomous multi-drone SAR (Search And Rescue) system as a part of the disaster management problem.
- Computer Vision model training, post-processing and optimization for deployment
- Autonomy architecture and implementation
- CAD and analysis, fabrication and assembly

ASME EFX India 2024 & 2025

IAM3D Team

- Made a 3D-printed quad-copter (an Unmanned Aerial Racing Cargo Vehicle) as a part of the IAM3D team (2024), 3D-printed resource collecting rover (2025)
- Competed in EFX India and scored 3rd national position as a team (2024)
- Contributed to the team for - Design for Additive Manufacturing (DFAM), drone tuning and flight analysis, control systems design

Smart S.N.U. Hackathon (SSH)

Team MORNIS

- CV based trash detection system that will route nearby garbage trucks to locations based off of trash volume and current truck location
- Semantic segmentation with custom method to approximate trash volume
- Qualified to participate in SIH

Inter-school competitions (NCR)

- Iroot120 2nd place design winner | October '20
- CODEx host and design lead (BVN) | August '21
- Syntax V6.1 (DPS International, Saket) 1st place solo gaming | August '22
- Participant of YOUTH IDEATHON | 2022

PROJECTS & HOBBIES

3D Printing and Rapid Prototyping

- Self assembly of a Prusa i3 mk2s
- 3D designing of parts and models to print
- Analysis of prints using various methods

Working on

- Upcoming project for hackathon; Multi-modal context engine

GETTING OFF THE GROUND

Soft skills

- C, Python, HTML, CSS
- Mounted electronics, on-board computing
- Machine Learning, Computer Vision
- DSA, Data Sorting, analysis
- Control systems design, implementation
- FEA, Generative design, topology optimization

Hard skills

- 3D printing and processing
- Designing for CNC machining
- Electromechanical assembly of robotic components