

MAYANK VERMA

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EDUCATION

Course	Institute	Year of Passing	Result
B.Tech (EE)	IIT Jammu	Expected 2025	7.60 CGPA (Till 6th Semester)
12th Standard	Blue Bells Model School	2021	93%
10th Standard	Blue Bells Model School	2019	94.2%

SCHOLASTIC ACHIEVEMENTS

- Secured **99.5** percentile in JEE Advanced (2021)
- Attained **34th** rank in DUET out of more than 40,000 appearing candidates (2021)

WORK EXPERIENCE

Knoldus Inc

Software Development Engineer Intern, AI-ML Team, Noida (Jun 2024 - Present)

- Established **scalable client-server connection** for real-time sensor data acquisition through **Raspberry Pi**.
- Developed and deployed a DNN-based ML model for sensor data using Vertex AI and joblib with **95% accuracy**.
- Researched multi-camera tracking with NVIDIA Metropolis, and explored EdgeX Foundry for **IoT** data management.

Multigraphics Group

Software Development Intern, Delhi (May 2023 - Jun 2023)

- Created OMR Sheet gen/scanning app using Flutter, Dart, Python (OpenCV, PIL), and Firebase for data storage.
- Slashed educational costs by 80% for 200+ teachers and 5000+ students through mobile-based OMR processing.
- Used tech Stack: Flutter, Dart, Python (OpenCV, PIL)

PROJECTS

Self Driving Car Simulator 2.0

- Programmed a self-driving car using **JavaScript** and **neural network** technology which can be refined within **5 iterations**.
- Developed highly accurate **DNNs from scratch** for object detection, and obstacle avoidance, achieving 100% accuracy.

Virtual World Creator 2.1

- Utilized JavaScript to integrate lifelike 3D effects for road rendering and visualization.
- Empowered users to interactively design and customize road layouts within the application, slashing sketch time by **90%**.
- Engineered procedural generation for rapid automatic creation of trees and houses, achieving a **70% speed improvement**.

SketchWiz 1.0

- Developed SketchWiz, a web app utilizing **KNN, ANNs, DNNs** to recognize hand-drawn sketches in 0.2 seconds.
- Optimized model accuracy by extracting features such as roundness and elongation, achieving a **93% recognition rate**.
- Employed **JavaScript** and **Python** to seamlessly integrate machine learning algorithms **trained on 2200*8 drawings**.

SKILLS

Programming Language	C/C++, Python, Javascript, SQL
Web Development	HTML, CSS, Tailwind, Bootstrap, Django, React Js
Machine Learning	Scikit Learn, TensorFlow, Numpy, Pandas, Matplotlib, NLP
Miscellaneous	Git, VS Code, Data Structures and Algorithms, Arduino

ADDITIONAL DETAILS

Awards

- 2nd runner up in, **IRC-9 International, Moscow, Russia** and 1st position in **IRC-9 Nationals**, Gurugram, Haryana.
- Secured 4th position in **Inter IIT** held at IIT Bombay.

Coding Profile: [Leetcode](#), Codeforces

Position of Responsibility

- Team Lead in Inter IIT Tech meet (team of 10)
- Class representative for four consecutive semesters.