

Sameer Gupta

Student

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Education

Netaji Subhas University of Technology	Instrumentation and Control Engineering · B. Tech CGPA: 7.55	7/8/2024 - 9/10/2028
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Skills

- **Frontend:** React, Next.js (SSR), JavaScript (ES6+), HTML5, CSS3
- **UI/Styling:** TailwindCSS, GSAP, Styled-components, CSS Modules
- **State/Build/Testing:** Redux, React Query, Webpack, Vite, Jest, Cypress
- **Backend & Languages:** Python (NumPy, Ultralytics, YOLO, OpenCV, PyTorch, Pandas, Matplotlib, Scikit-learn), C++, JS(Node and Express), Flask
- **Tools & Leadership:** Git/SVN, architecture design, and technical team management

Work Experience

GirlScript Summer of Code(GSSoC)	Open Source Contributor	July 2025 - Present
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- Worked on a project Haryana Roadways a platform to book bus tickets, a travel planning site.
- Worked on frontend to make the UI more cleaner and modern
- Implemented routes to a new self designed page to give users a detailed information about the hotels
- Tech stack used: React, Nodejs, CSS, JavaScript
- **Project Repository:** <https://github.com/sam-eer12/HrRoadways>

Google Gemini	Student Ambassador	Aug 2025-Present
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- Working as Student ambassador for Google Gemini in my college
- interact with people to teach them about new features about Gemini
- understand their relation with the AI and try to improve their experience

Projects

Ocenaus AI	Project lead and AI dev	2025/09-2025/09
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<https://sih-project-uimw.vercel.app/>

- A research tool to help researchers classify DNA sequence of various deep sea creatures
- Unsupervised machine learning model helps reduce classification time from 2-4 weeks to <1 week
- project with all the dataset used and research paper attached available
- **Tech stack:** Python, Flask, Next.js, Scikit learn, Vercel

VigiAI	AI model Developer	2025/08-2025/08
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<https://github.com/sam-eer12/VigiAI-surveillance-project>

- AI powered surveillance system with 94% accuracy.

- Highly scalable upto 1500 cameras by clustering 30 cameras for local cluster and 50 streams for centralized cluster.
- Web app for monitoring and alert notification in case of misconduct or anomaly detected.
- **Tech stack:** *Python, PyTorch, OpenCV, YOLOv11, Flask, React*

Amethyst Wave-Blog app

Fullstack dev

2025/07-2025/07

<https://amethyst-wave.vercel.app/>

- Made A Blog app using MERN stack
- Projects offers blog searches, Viewing, commenting and sharing to normal users.
- For admin project offer admin control to blogs add/delete/unpublish and comments approval
- Dynamic Project with server connectivity with Multiple cloud integration and Gemini AI integration
- **Tech stack:** *MongoDB, Node.js, Express.js, React, Imagekit.io, Gemini*

Object detection model

Team leader

2025/08-2025/08

<https://github.com/sam-eer12/object-detection-model-yolov8>

- Object detection Model using YOLOv8 for BuildWithDelhi 2.0 hackathon at Microsoft
- Top 40 finalist of the event with this model
- Model trained on high quality image dataset of Dulaity AI Falcon dataset.
- Model achieves accuracy of 94%
- **Tech stack:** *Python, YOLOv8, PyTorch, OpenCV, Falcon Dataset*

Student Management System

Fullstack dev

2025/03- 2025/05

<https://github.com/sam-eer12/student-managment-system>

- Designed and built a desktop application to manage student records efficiently.
- Implemented features for adding, viewing, updating, and deleting student information.
- Utilized HTML and CSS for the user interface, Python and Flask for the logic and connected the application to a MySQL database for data persistence.
- **Tech stack:** *Python, Flask, MySQL, HTML, CSS*

Certificates

IIT Bhubaneshwar

Issued By: IIT BBSN

2025/06-2025/06

Frontend Battle 2.0 Hackathon: <https://drive.google.com/file/d/1BLfp1ubVfWkRL61eU9iIDVpPY-j73Sxo/view>

BuildWithDelhi 2.0

Issued By: Hack With India

6th August 2025

Top 40 finalist certificate: <https://drive.google.com/file/d/1AoANKz7GuMk4hoZlWy2SMtC03ISiYaE-/view?usp=sharing>

KaaryaNeeti: Case Comp

Issued by: ECell NSUT

22nd August 2025

1st position holder: https://drive.google.com/file/d/1P0DmSWVMF5p1_ux2UIFSIWofH2A1lx8/view?usp=sharing

Zero to One Hackathon

Issued by: Chandigarh University

31th August 2025

Finalist certificate: <https://drive.google.com/file/d/1jMwptax8pw3xsO7SOxEqVQuQ-mKnH-WB/view?usp=sharing>