

Ravnish Kumar

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Summary: Ravnish Kumar is a skilled Computer Science student with expertise in Web Development, AI/ML, and Robotics. Managed open-source projects, won multiple national level hackathons, and developed innovative projects with team that demonstrate both technical and leadership skills.

Education

Bachelor of Technology in Computer Science & Engineering

St. Andrews Institute of Technology and Management

Class - 12th - PCM with CS in Python & MySQL

Spring Meadows Sr. Sec Public School

2023- 2027

Gurugram, India

2022-2023

New Delhi, India

Projects

Personal Portfolio | ravnish-rocks.tech

- Built and deployed a fully responsive personal portfolio website using HTML, CSS, JavaScript and various typescript animation libraries to showcase my projects, skills, and hackathon achievements in a terminal-style UI.

AI Text Generator based on Sentiment | *Python, HuggingFace Sentiment analysis model, GPT 2, Streamlit*

- An AI model that generates a paragraph or essay based on the sentiment of the prompt given (e.g., positive, negative, neutral).

Sigma Switching System | *MPC Algorithm, Matplotlib, Pytorch, IoT Modules & various sensors*

- Led the team with developing an MPC-powered IoT and web-app based solar-grid switching platform, achieving top pitch score and personally handling embedded hardware integration.

Optimus Prime | *Python, PyTorch, OpenCV, TensorFlow, Speech Recognition, NLTK, Pytsx3*

- Led team to develop an automation system using speech recognition and image processing for hands-free desktop control.
- Achieved 1st place in the annual college tech fest for innovation and implementation.

Technical Skills

- Languages:** Python, C++, C, JavaScript
- Web:** HTML, CSS, JavaScript, React, TypeScript (Basics), BootStrap, Responsive Designing
- Web Platforms & Backend:** WordPress (familiar), Shopify (familiar), Supabase
- Technologies:** Google Cloud Platform, Django, MySQL,
- Concepts:** SQL, Database Management Systems, Web Development, Version Control, Git Strategies, Cloud Computing (GCP), IoT, Embedded Systems and Robotics

Soft Skills & Position of Responsibility

Skills: Leadership, Teamwork, Mentoring, Continuous Learning, Creativity & Innovation, Time Management, Attentive, Work Ethic, Cross-Functional Coordination.

Position of Responsibility: Mentored more than 20-30 teams for hackathon preparations, was the Core-member of the organizing team at the on-campus tech events.

Certifications

- Full stack Development, UDEMY**
- Machine Learning, Coursera (Ongoing)**
- Google Cloud SkillsBoost Certifications, Google Cloud Arcade Program**
- Prompt Engineering for Developers, DeepLearning.AI**
- ROBO AI, MyEquation**

Achievements

- Rank #1 at Code Slayer Hackathon 2K25** under pathway track (NIT Delhi) among 10,000+ participants, demonstrating excellence in problem-solving, innovation, and rapid prototyping.
- Secured Maximum Score and 1st rank** in idea pitching during Ideathon 2025 at IIIT Delhi, National Level Hackathon by CiPD (Centre for Intelligent Product Development). [\[Result Link\]](#)
- 1st in INNOVIZ 2025** – Institute Level Hackathon by SAITM.
- Finalist at VesHack 2024** – National Level Hackathon at University School of Automation and Robotics by VesPera, GGSIPU EDC.