

Ravnish Kumar

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

Education

Bachelor of Technology in Computer Science & Engineering	2023- 2027
St. Andrews Institute of Technology and Management	Delhi-NCR, India
Class - 12th - PCM with CS in Python & MySQL	2022-2023
Spring Meadows Sr. Sec Public School	New Delhi, India

Projects

AI Text Generator based on Sentiment | *Python, HuggingFace Pipeline, NLTK, Streamlit, Streamlit Cloud*

- 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, Pyttsx3*

- 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.
- **Technologies:** Google Cloud Platform, Django, MySQL.
- **Concepts:** Operating System, SQL, Machine Learning, Database Management Systems, Web Development, Robot Operating System, ROS2, API, Git Strategies, Cloud Computing, IoT, Embedded Systems and Robotics Automation.
- **Deployment:** Deployed various web-applications to Git, GitHub, Vercel.

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

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

Achievements

- **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](#)). [\[Result Link\]](#)
- **Selected for Top 50** teams in national level hackathon at The TechClasher Hackathon, Greater Noida Institute of Technology.
- **1st in INNOVIZ 2025** – Institute Level Hackathon – by SAIMT.
- **2nd in INNOVIZ 2024** – Institute Level Hackathon – by SAIMT.
- **Finalist at VesHack 2024** – National Level Hackathon at University School of Automation and Robotics – by VesPera, IPU.