Ravnish Kumar

Regd. No. 2312191537   📞7303112516

Email: ravnishkumar583@gmail.com | **LinkedIn**: linkedin.com/in/ravnish-kumar/ | **GitHub**: github.com/ravnish1/

Professional Summary: Ravnish Kumar is a skilled CS student with expertise in ML/AI, web development, and worked and managed open-source projects, won multiple hackathons, and developed innovative projects showcasing technical and leadership skills.

Education

Bachelor of Technology in Computer Science & Engineering	2023- 2027
Maharshi Dayanand University	Haryana, India
Class - 12th - PCM with CS in Python & MySQL	2022-2023
Spring Meadows Sr. Sec Public School	New Delhi, India

Experience

- **Contributor** – GirlScript Summer of Code 2025
  GirlScript Foundation | Remote
  - Contributing in open-source repositories for hands on practice and understanding of production level codebase.
  - Implementing new features, optimizing existing codebase & solving issues.
- **Contributor** – Open Source Connect India 2025
  osconnect.org | Remote
  - Recently selected for participation in a national-level open-source program.
  - Exploring active repositories and identifying relevant interests for contribution.

Projects

- Optimus Prime
  Python, OpenCV, TensorFlow, Speech Recognition, NLTK, Pyttsx3
  - Led team included in development of an automation system with speech recognition and image processing for hands free control on desktop & expression recognition, eventually winning the annual college tech fest (Innoviz 2025).
- Intelligent Power Switching System for Solar-Grid Integration in India
  - Led the team in developing an MPC-powered IoT and web-app based solar-grid switching platform, achieving top pitch score and personally handling embedded hardware integration. [Result Link]
  - A solution for maximizing ROI for rural and urban households with pre-installed solar-grid systems during IIIT Delhi's Industry Solve IdeaThon & Product-a-thon 2025.
- Oh My Foodie ↗
  HTML, CSS, JavaScript, Python, MySQL
  - A CRUD web-application food ordering/exploring platform that allows users to browse, select, and order meals from nearby vendors. Designed for a smooth user experience through easy-to-use web-app (*ongoing*).

Technical Skills

- **Languages:** Python, C++, C, JavaScript.
- **Technologies:** Google Cloud Platform, Django, MySQL, Micro-python.
- **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.

Certifications

- **Machine Learning** - Coursera (*Ongoing*)
  Exploring supervised/unsupervised learning, model training, and evaluation workflows.
- **Full stack Development, UDEMY**
  Completed an intensive bootcamp covering frontend development, web design, backend development, API integration and about various databases.
- **ROBO AI**, MyEquation
  Gained hands-on exposure to robotics, automation, software simulation, and integration of machine learning into industrial AI system and various applications.

Achievements

- ➢ **Secured Maximum Score and 1st rank** in idea pitching during Ideathon 2025 at IIIT Delhi – National Level Ideathon – by CiPD (Centre for Intelligent Product Development).
- ➢ 1st in INNOVIZ 2025 – Institute Level Hackathon – by SAITM.
- ➢ 2nd in INNOVIZ 2024 – Institute Level Hackathon – by SAITM.
- ➢ Finalist at VesHack 2024 – National Level Hackathon at University School of Automation and Robotics – by VesPera, IPU.