

SACHIT BANSAL

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EDUCATION

B. Tech. General Engineering | Indian Institute of Technology, Mandi

Aug 2024 – Present (till June 2028)

- **Relevant Courses** - Intro to Python and Data Science, Linear Algebra, Foundation of Design Practicum, Probability and Statistics.
- **CGPA: 8.33** (upto first semester)

TECHNICAL PROJECTS

Webspark - Project WebBuilder (Python Automation, Chatbot, Generative AI, AI Agents)

- A Website which can create and deploy websites as per user prompt and improves it based on corrections provided.
- Utilizes python automation and AI Agents for backend and frontend is made using Next js

Lost and Found (Flutter, Firebase, Android Studio)

- Developed WebApp in Flutter Framework LnF - Pit stop solution to all lost and found items within campus area.
- Utilizes Flutter framework coded in Dart language and Firebase handles all cloud-based services of storing the data.

SLTS (Raspberry Pi, Yolo, Flask, Flutter, Firebase)

- SLTS - Smart Laundry Tracking System combines the power of Hardware and software to notify completion of washing in hostel washing machines.
- Yolo model runs on images captured by R-pi at regular intervals to determine if the machine is done cleaning and updates this info to firebase with timestamp using flask server.

TECHNICAL SKILLS

- **Languages:** [Python, HTML-CSS, Dart](Most experience), [JavaScript, C++, Solidity](Beginner Level experience)
- **Frameworks:** Flutter, Firebase LaTeX
- **Platforms:** Windows, Linux, Android Studio, Visual Studio Code.

ACHIEVEMENTS & CERTIFICATIONS

- Earned **1st Place** in **KrackHack'25** - Flagship hackathon of **Google Developer Groups IIT Mandi** organized every year. My project Webspark was on GenAI track involving AI agents.
- Secured **1st Position** in **Takeshi's Castle** - Takeshi's Castle is a robotics competition organized during Utkarsh 2024 (Intra-College Techfest) where teams created sumo wrestling robots and competed.
- **Google Cybersecurity Professional Certificate** - Earned Google Certification on the basics of cybersecurity, network security, and ethical hacking from the Coursera platform.
- **Certificate** of the completion of **Flutter** course from Udemy.
- Secured **AIR 9** among 15,000+ other participants in Individual Championship Shaastra Juniors (IIT Madras Techfest)
- Secured **1st Position** in the Case Study Competition conducted during Shaastra Juniors - IIT Madras Techfest.
- Bagged **8th Position** in Computational Agriculture Competition held during IIT Bombay Techfest.

POSITIONS OF RESPONSIBILITY

- **Class Representative**- Student Representative for General Engineering Branch 2024 batch.
- **SAIC** - Core Team Member at SAIC, The Cyber Security Cell of IIT Mandi
- **Xpecto** - Volunteered for Sponsorship Team of Xpecto' 25