



Atri Rathore

CSE (AIML) Student

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Enthusiastic, disciplined content writer with a track record of producing high-quality research papers and book chapters. Creative and hands-on, with a strong drive to explore diverse domains and technologies. Committed to continuous learning and growth, adept at staying calm and focused while multitasking under pressure.

EDUCATION

Bachelor of Engineering Chandigarh University

07/2024 - Present

Mohali, Punjab, India

Courses

- Computer Science (AIML)

Intermediate (CBSE)

S.t Joseph International School

2020 - 2021

7..77CGPA

Matriculation (CBSE)

S.t Joseph International School

2017 - 2018

8.34 CGPA

PERSONAL PROJECTS

RoboCop (03/2024 - Present)

- An autonomous drone system designed to improve highway safety through advanced accident detection and patrol functionalities
- Roles: 2D-Designing, ML Model training, GPS and SIM module integration, CAD-Blueprint Making
- Working with the Aerospace Department of Chandigarh University to create
- Get the 5th rank in Rajasthan's biggest hackathon (HIS) in 2024

G.U.A.R.D. (04/2024 - Present)

- Global Unified Accident Response Device (G.U.A.R.D.) An accident detection and prediction system ensuring road safety through real-time monitoring and rapid response
- Roles: Team Leader, Hardware Assembling, Hardware-Software Integration
- Won the best IEEE award at north India's Biggest hackathon, Vihaan 007, in 2024

OCG (01/2024 - 03/2024)

- With the help of OCG, we can control any object using a hand gesture. We can select an object like a fan and make it turn on, off, or even change its speed
- Roles: Team Leader, Dataset Creation, Arduino/Python Integration, Custom Dataset Creation, Documentation
- Showcased as mini-projects of the semester at Chandigarh University

Mycofibre: (01/2022 - 04/2023)

- Experimented with hemp fiber, chitosan, PVA, and PLA to develop sustainable substitutes for traditional rubber and plastic materials.
- Roles: 3D Simulation, Research and Analysis, Fiber Study
- Showcase Mycofibre in the best hackathons like Bihar Innovation Challenge, Vihaan 6.0, Think'N'Green, Sadharnya 1.0, etc.

Body Hormone Analyzer (BHA) (09/2023 - 12/2023)

- Work on various body hormones and design a new BHA device that can give the doctor nearly ten hormone readings using bio sensors.
- Roles: 3D Simulation, Bio-Sensor Study, Market and Product Research
- Showcase as group project of the semester at Chandigarh University

SKILLS

Python Programming

ML Model Training

Embedded System (Arduino/Microcontroller)

Electronic Assembling (Soldering)

Object Detection using YOLO

Critical Analysis

Data Analysis

Communication Skills

Problem Solving

Creative Thinking

3D Modeling (Blender)

Documentation

ACHIEVEMENTS

Wrote over 5+ Research papers in the session 2022-2023 (Under Professional Society).

Published a Book Chapter in "Hybrid Metal Additive Manufacturing Technology and Application (2023)"

Working on the real-life problem-solving projects Robocop and G.U.A.R.D. (03/2024 - Present)

Filled 8+ Patent and till 4+ Patent will get approved by Government.

Won Vihaan 007 "Best IEEE Award" and Vihaan 6.0 "Best Freshers Award" among 400+ teams.

Won Think'N'Green Hackathon in 2024.

Working on the Drone project under Aerospace Department. (04/2024 - Present)

LANGUAGES

Englishh

Professional Working Proficiency

Hindi

Native or Bilingual Proficiency

Rajasthani

Limited Working Proficiency

INTERESTS

Reading New Research's

Exploring Technologies

Making New Innovations

Helping Others