

Jaideep Taak

Abohar, 152116

7508930787

Email: Jaideeptaa2@gmail.com

LinkedIn: <https://in.linkedin.com/in/jaideep-taak-4b4170346>

GitHub: <https://github.com/JAIDEEP-BACKEND/>

Portfolio: <https://jaideeptaa.vercel.app/>

PROFESSIONAL SUMMARY

Computer Science Engineering undergraduate specializing in Artificial Intelligence and Machine Learning with hands-on experience in software development, full-stack web development, IoT, and embedded systems. Proficient in Python, C++, JavaScript, React.js, Next.js, Node.js, and ESP32-based development, with experience building AI-powered, embedded, and full-stack software solutions.

TECHNICAL COMPETENCIES

Operating Systems: Windows | Linux | MacOS

Technologies: C | C++ | Python | JavaScript | HTML | CSS | React.js | Next.js | Node.js | Express.js | Firebase | Git | GitHub | ESP32 | Arduino

Core Concepts: Data Structures & Algorithms | Object-Oriented Programming | DBMS | Operating Systems | Computer Networks | Embedded Systems | IoT | REST APIs

INTERPERSONAL SKILLS

Leadership | Communication | Team Collaboration | Adaptability

LANGUAGES KNOWN

English | Hindi | Punjabi

EDUCATION

Bachelor of Technology (B.Tech) in Computer Science Engineering (Artificial Intelligence & Machine Learning)
Chandigarh Group of Colleges (CGC), Landran, Punjab
Session: 2024–2028

Senior Secondary (Class XII, Navyug Sen Sec School, Abohar)

Session: 2023–2024 | **Percentage:** 75%

Secondary (Class X, Shivalik Public Sen Sec School, Abohar)

Session: 2021–2022 | **Percentage:** 73%

PROFESSIONAL EXPERIENCE

ISRO Summer Research Trainee | Researcher | Embedded Engineer

Duration: 1 Month

Environment: Embedded Systems, Chip Design

Technologies: VLSI, SCL, Embedded Systems, Chip Design

- Completed research training in Embedded Systems, VLSI, and Chip Design at ISRO, gaining hands-on experience in semiconductor fabrication and embedded hardware development.

ACADEMIC ACHIEVEMENTS

- Secured 1st position in NSD (National Science Day - 2024) held in CGC, Landran.
- Secured **1st Prize** in **Spark to Startup** held at CGC Landran.
- Secured 2nd Prize in INNOTECH-2024 held at PGSC.
- Secured 1st Prize in INNOTECH-2025 held at PGSC.
- Secured 1st Prize in Aumento Idea Pitch held at CGC.
- Secured **1st Prize** in Ascendia Idea Pitch held at CGC.
- Secured **1st Prize** in Code Quest Idea Pitch held at CGC.

PROJECTS

VFT SERVER: ESP32-based offline Wi-Fi file server for secure local file sharing.

Neo Entangle X: Quantum-powered IoT robotic vehicle for disaster monitoring.

CERTIFICATIONS

- IIT Roorkee – Certified Ethical Hacker
- Google AI Essentials

Patents

- 25+ Utility Patent Applications Filed in AI, IoT, Robotics, and Embedded Systems.

EXTRA CURRICULAR & CO-CURRICULAR ACHIEVEMENTS

- Traditional Japanese Martial Arts & Weapons Training
- National Level Yoga Player
- Gymnastics, Calisthenics
- Ignite Rooms Chapter Lead (Chandigarh)
- Club Team Coordinator ET-CEC