

Motivated Computer Science undergraduate focused on Artificial Intelligence, Edge Computing, and Full-Stack Development. Passionate about building impactful, edge-optimized AI solutions and scalable web applications. Following principles of deep work to drive consistent academic and technical excellence. Currently eager for professional experience through a summer internships.

SKILLS

Languages: Java, Python, C/C++

AI/ML: YOLOv8, TensorFlow, OpenCV, NLP

Core CS: DSA, OOPs, OS, Basics of DBMS & CN

Web Dev: Next.js, React, Tailwind CSS, FastAPI, Django

Tools/OS: Linux, Git/GitHub, PyCharm, IntelliJ, Arduino IDE, VS Code, Power BI

PERSONAL PROJECTS

Sehpaathi AI [View Repository](#) · [Live](#)

Next.js, FastAPI, Tailwind CSS, NLP

- Developed a full-stack AI test analyzer to identify student learning gaps using semantic similarity and logic-based scoring.
- Implemented a modern, minimalist glassmorphism UI prioritizing clean typography and professional UX.

Laptop Price Predictor [View Repository](#) · [Live](#)

Python, Flask, XGBoost, Scikit-Learn

- Built an ML web app using an optimized XGBoost Regressor achieving an R^2 score of **0.8913**.
- Engineered feature pipelines to extract PPI, IPS, Touchscreen specs, and storage types from 1,303 records.
- Fixed skewed pricing using log transformation and built a Flask backend managing a 45-feature query vector.

Agro-Guardian (Made in 4 Days Automation Bootcamp by IIT Mandi Professors) [View Repository](#)

ESP32, C++, IoT Sensors

- Built an automated animal threat detection system for crop protection using ESP32, ultrasonic, and PIR modules.

OSPOT (Operating System Performance Observation Tool) [View Repository](#)

C++, File Handling, OS API

- Developed a C++ console tool to monitor CPU, RAM, and disk usage in real time to enhance user diagnostics.

RESEARCH & PUBLICATIONS

ICSSCS 2026 - International Conference on Smart & Sustainable Computing

April 2026

Research Paper Author

- Authored and presented a research paper on edge-optimized YOLOv8 surveillance systems.
- Selected as one of only 101 accepted papers from a competitive pool of 2000+ global submissions (Top 5% acceptance rate).

TECHNICAL EXPERIENCE

Cognifyz Technologies Pvt. Ltd.

Remote

Software Development Intern

May 2026 – Jun 2026

- Selected for a remote internship focused on practical software development and problem-solving workflows.
- Strengthened exposure to Python, debugging, and collaborative technical practices.

D-Coders Squad

COER University, Roorkee

Clubs Member: Competitive Coding, ML and Research & Development

2025 – Present

- Actively participate in hackathons and peer learning focused on Machine Learning and Systems Architecture.

EDUCATION

COER University

2025 – 2029(Expected)

B.Tech in Computer Science & Engineering

8.2 CGPA

Greenway Modern School

Class XII (CBSE), 2024 – 2025

74.4%

Class X (CBSE), 2022 – 2023

89.2%

JEE MAINS, Jan – 2025

91.1%ile

CERTIFICATIONS

IIT Roorkee AI & Gen AI Workshop

Aug – 2025

- Awarded 2nd place and Rs. 2000 in the associated Hackathon.

Oracle Cloud Infrastructure

Nov – 2025

- AI Foundations Associate Certification. Proctored Test: 87%

Udemy

C++ Course

- Beginner to Beyond Professional Certificate.

HOBBIES & INTERESTS

- Interests:** Impactful Project Building, Open Source Contributions, GATE 2028
- Hobbies:** Reading Books, Analyzing complex engineering research papers, Minimalist UI Design Exploration for my projects, Badminton, Sprinting