Ankit Raj

Roll No.:230123007
B.Tech - Mathematics and Computing Engineering
Indian Institute Of Technology, Guwahati

+91-9142289928
ankraj123000@gmail.com
ankitraj.3007@iitg.ac.in
Github | LinkedIn

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	8.00 (Current)	2023-Present
Senior Secondary	CBSE Board	92.0%	2023
Secondary	CBSE Board	96.8%	2021

PROJECTS

- **GNR8 – AI-Powered Text-to-Website Generator** — *Jan. 2025 - Feb. 2025*
  Inter-Hostel Tech Competition, Kriti — Github
  – Developed an AI-driven **agentic system** that converts natural **language descriptions into fully functional websites**.
  – Worked on AI/ML, using NLP models to interpret user input and generate structured web content.
  – Integrated Claude's API and various free LLMs to enhance text comprehension and improve content generation.
  – Optimized model accuracy and performance, improving content structuring and UI generation.

- **AI Learns to Play Snake** — *June 2024 - Aug 2024*
  Coding Club, IIT Guwahati — GitHub
  – Developed a fully functional Snake game using **Pygame** library with smooth controls and randomized food placement. Optimized game mechanics for efficiency and responsiveness, ensuring an engaging user experience.
  – Implemented the **NEAT algorithm** to train an AI for autonomous gameplay, enabling it to learn from previous attempts and improve decision-making. Used neural network evolution techniques, including crossover and mutation, to enhance adaptability and maximize survival time across generations.

SKILLS

- **Programming**: Python, C/C++, Verilog*
- **Web Development**: HTML, CSS, JavaScript*
- **Operating Systems**: Windows, Linux
- **Soft Skills**: Problem Solving, Time Management, Language and Communication
- **Miscellaneous**: Git, Canva   ** Elementary proficiency*

KEY COURSES TAKEN

- **Computer Science**: Data Structures and Algorithms, DBMS, Introduction to Computing, Digital Design
- **Machine Learning**: Summer Analytics 2024, MachineLearning.AI
- **Finance**: Financial Engineering-1
- **Mathematics**: Linear Algebra, Calculus, Discrete Mathematics, Probability & Random Processes

* Ongoing

POSITIONS OF RESPONSIBILITY

- **DUPC Student Representative**, Mathematics Department, IIT Guwahati — *Oct. 2024 - Current*
  – Representing students in the Departmental Undergraduate Programme Committee (DUPC), actively contributing to academic decision-making, curriculum structuring, policy discussions, and resolving student concerns.

- **City Representative, Technothlon**, Techniche, IIT Guwahati — *Nov. 2023- Aug. 2024*
  – Visited multiple schools across Patna to promote Technothlon, motivating and guiding students to develop a logical thinking approach and cultivate innovation through engaging discussions and interactive sessions.

- **Associate LS Manager, Udgam**, E-Cell, IIT Guwahati — *Nov. 2023- Feb. 2024*
  – Invited Founders and CEOs for the Udgam Lecture Series, facilitating insightful discussions on entrepreneurship.

ACHIEVEMENTS

- **Kriti**, Placed **2nd** for developing a website that automates website creation from user input — *Feb 2025*
- **Convolve: Pan IIT AI/ML Hackathon**, Placed **4th** for developing ML solutions for banking challenges — *Feb. 2025*
- **Bhartiya Antariksh Hackathon**, Ranked among the top 100 teams, conducted by ISRO — *2024*
- **JEE Advanced 2023**, Secured **AIR 1694** among 0.19 million candidates appearing for the test — *2023*
- **JEE Mains 2023**, Secured **AIR 4778** among 1.2 million candidates appearing for the test — *2023*

EXTRACURRICULARS

- **Content Creation Team**, Secured gold at Inter-Hostel Cultural Event
- **Goalkeeper**, Hockey Team, Secured Silver at Inter-Hostel Sports Event, led the defense and secured key victories.
- **Actor**, Inter-Hostel Cultural Event, performed in roles contributing to the film presentations.