



Jaideep Randhawa

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B.Tech CSE

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. (CSE)	Guru Nanak Dev Engineering College, Ludhiana	9.26	2022-Present
Senior Secondary	CBSE Board	95.4%	2022
Secondary	CBSE Board	94.8%	2020

INTERNSHIPS

- Indian Institute of Information Technology** Jun. 2024 - Aug. 2024
Summer Research Intern Allahabad
 - Worked on mission planning by a swarm of drones using Deep Reinforcement Learning.
 - Developed a decentralised pursuit-evasion simulation where multiple evaders evade a single pursuer using Deep Reinforcement Learning.
- Khalis Foundation** Aug. 2024 - Oct. 2024
Developer Intern Work from Home
 - Worked on creating a custom bani API by fetching database from the already existing, BaniDB API.
 - Helped in research about existing APIs, Database fetching and feature extraction.

PROJECTS

- Biogas Production Prediction using a Research based Hybrid ML Model** Mar. 2025
Developed a Novel Hybrid ML model to predict biogas yield from varied feedstocks using real-world data.
 - Tools & technologies used:** Python, Scikit-learn, Gradient Boosting, Random Forest, Numpy, Pandas, Streamlit
- EduAI- AI Coding Tutor** Feb. 2025
Provides an interactive learning experience where students receive AI-driven guidance within a code editor.
 - Tools & technologies used:** HTML, CSS, Javascript, Flask, LLMs
- EdTech Buddy: Revolutionizing Course Exploration for Students** Mar. 2024
Personalized career guidance platform using BotPress and CBSE's Compendium of courses after 10+2.
 - Tools & technologies used:** HTML, CSS, Javascript, Botpress

KEY COURSES TAKEN

- Data Structure, Algorithms, DBMS, Machine Learning, Artificial Intelligence, Computer Networks, Theory of Computation, Operating System, Computer Architecture and Microprocessor, Engineering Mathematics, Discrete Mathematics.

TECHNICAL SKILLS

- Programming:** C/C++, Python, SQL
- Tools & OS:** Git, Jupyter Notebook, Google Colab, Linux, Windows
- Libraries/Frameworks:** Pandas, Numpy, scikit-learn, Tensorflow
- Web Skills:** HTML/CSS/JS

POSITIONS OF RESPONSIBILITY

- Convenor**, Data Science Club, GNDEC, Ludhiana Present
- Student Coordinator**, Causmic Club, GNDEC, Ludhiana Present
- Executive Member**, Training and Placement Cell, GNDEC, Ludhiana Present
- Radio Jockey**, 90.8 MHz FMCRS, GNDEC, Ludhiana Present

ACHIEVEMENTS

- Selected** in National level IDE Bootcamp organised by AICTE and MOE. 2025
- Secured 2nd Position** Git and Linux Workshop, Causmic Club, GNDEC, Ludhiana 2024
- Contributor** Selected as a contributor at Girlsript summer of code 2024
- Selected** as a part of SYCI at Khalis Foundation. 2024

CERTIFICATIONS

- NPTEL Certification on Privacy and Security in Online Social Media
- NPTEL Certification on Social Networks
- NPTEL Certification on Organizational Behaviour.
- Infosys Springboard Certification on Python Foundation and C.