

SAHEJPREET KAUR

+91 90444 17297 sahejpreetkaur11019@gmail.com https://www.linkedin.com/in/sahejpreet18kaur/

Education

VIT Bhopal University

Bachelor of Technology in Computer Science and Engineering

Sep 2022 – May 2026

Bhopal, Madhya Pradesh

Mariampur Senior Secondary School

CBSE-XII- 83% and X-94.8%

June 2022 , June 2020

Kanpur, Uttar Pradesh

Relevant Coursework

- Data Structures and Algorithms
- Design and Analysis of Algorithms
- Database Management System
- Operating Systems
- Software Engineering
- Computer Architecture and Organization
- Machine Learning
- Computer Networks

Experience

Student Developer – Machine Learning Engineer at ISABE

Dec 2024

Machine Learning Engineer

- Designing and implementing an ML-based research paper management system, aimed at improving paper retrieval efficiency by 40% and reducing manual classification time by 30%.
- Developing AI-driven content automation tools to streamline website updates, targeting a 50% reduction in content management time and enhancing user engagement by 25% through real-time content delivery.

Winter Internship Technical Training Program at India Space Lab

Dec 2024 – Jan 2025

Rank-576

- Designed CanSat and CubeSat prototypes, focused on optimizing payload efficiency and structural integrity to enhance performance in simulated space conditions.
- Explored advanced drone system architectures and utilizing astronomy tools to innovate UAV technologies, aimed to improve flight stability by 30% and data acquisition accuracy by 25%.

Software Development Club

Dec 2023 – Jan 2025

Sub-Manager

- Led team coordination and developed comprehensive social media strategies, effectively managing content creation, audience targeting, and campaign execution, which resulted in a 30% increase in event engagement.

E-Cell

May 2023 – Nov 2024

Social Media and Operation Coordinator

- Led digital campaigns and event promotions, increasing entrepreneurial engagement by 20% through strategic content and targeted outreach.

Projects

Rice plant Disease Detection using GenAI | Python, Gen AI, TensorFlow/PyTorch, Google Collab

Feb 2025

- Designing an AI-driven system for early detection of rice plant diseases, leveraging Generative AI (GenAI) and advanced image processing techniques to enhance diagnostic accuracy by 20%.
- Improving disease classification response time by 30%, benefiting 500+ farmers across multiple regions.

CureAI: Enhancing Breast Cancer Detection | Python, Machine Learning, Deep Learning

May 2024

- Applied Logistic Regression, XGBoost, and ExtraTrees on the Wisconsin Breast Cancer dataset (569 samples, 32 features), achieving 98.24% accuracy.
- Implemented Sine-Cosine and Flower Pollination algorithms for enhanced model interpretability by 20%

SkyTracker: Real-Time Weather Insights | HTML, CSS, JavaScript

Nov 2024

- Developed a real-time 5-day weather forecasting website using OpenWeatherMap API and other programming languages HTML, CSS, and JavaScript are used.

Technical Skills

Programming Languages : Python, Java, C, HTML/CSS, JavaScript, C++, SQL, Latex

Technologies/Frameworks: MYSQL, Pycharm, Jupyter Notebook, Google Collab, Figma, Github, Wordpress

Achievements

EricssonEdge Program : Selected as one of 500 for excellence in innovation and aptitude.

Adobe GenSolve: Reached the pre-final stage in hackathon, significantly enhancing my Machine Learning skills.

CodeKaze: Ranked 19,944 out of 140k contestants, honing DSA skills for effectively solving problems.

Intra-University Mathematics Model Making: : 2nd place for work in geometry, calculus and graph theory.

LeetCode: Completed 150+ coding challenges on LeetCode, enhancing DSA skills and improving hackathon performance.