

Gurkirat Singh

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A passionate ML Engineer with experience in building machine learning models with Python on platforms like Jupyter notebook and Google Colaboratory. A group leader, motivator and an innovator with resilience, strategy and problem solving as strengths.

WORK EXPERIENCE

Dream Luminous

01/2019 - 01/2023

Sales Representative • Amritsar, India

- Being a sales representative in a first generation business in a relatively new market instilled in me skills such as resilience and staying motivated despite any odds.
- Additionally, it improved my marketing skills and people skills.
- Leadership: Guided a small team, set a positive example, and motivated employees.
- Communication: Clearly conveyed goals, expectations, and feedback.
- Problem-Solving: Analyzed data and made informed decisions.
- Emotional Intelligence: Managed team dynamics and resolved conflicts.

PROJECTS

Unified Mobility Interface (UMI)

12/2024 - Present

- Developed and deployed UMI, a multi-modal navigation API, enabling optimised route recommendations across various transportation modes using deep learning and LLMs.
- Implemented a web-based interface for UMI, showcasing its functionality through interactive map visualisations and route planning capabilities.

AirVision

08/2023 - 12/2023

Pioneered an Air Quality Index (AQI) prediction system for Chandigarh by developing a robust regression model in Python. **Utilized** real-time weather data and **implemented** a Random Forest Regressor, **meticulously fine-tuning** to yield **98.4%** prediction accuracy.

SKILLS

Programming Languages: C, C++, Java, Machine Learning, Python, Python, SQL, Swift, XML

Development Softwares: Android Studio, Visual Studio Code, Xcode

Designing Softwares: AutoCAD, Figma, ProCreate(iPad)

Communication Skills: Avid debater, speaker, writer

EDUCATION

B.E Computer Science Engineering Hon.(with specialisation in Artificial Intelligence and Machine Learning in association with IBM) in Computer Science Engineering Hon.(with specialisation in Artificial Intelligence and Machine Learning in association with IBM)

Chandigarh University • Mohali, India • GPA: 8.12

01/2023 - Present

Intermediate (CBSE)

BDS Public School • Amritsar, India • GPA: 80.4%

01/2021 - 01/2023

Matriculation (CBSE)

Spring Dale Senior School • Amritsar, India • GPA: 92.3%

01/2020 - 01/2021

AWARDS & CERTIFICATIONS

NVIDIA Deep Learning Certification

07/2025

NVIDIA

Introduction to Machine Learning

02/2025

Duke University

Gold Medal in CBSE North Zone Judo Tournament

CBSE

Silver Medal in CBSE National Judo Tournament

CBSE

Black Belt (First Dan)

Spring Dale Senior School Dojo

LEADERSHIP

Chandigarh University

07/2025 - Present

Joint Secretary • Mohali, Punjab

Spearheaded and **executed** multiple large-scale tech events, such as hackathons and workshops, for TechTatva Club (Chandigarh University's top club), **attracting** 500+ participants. **Directed** a 12-member core team in event planning and execution.

Chandigarh University

01/2023 - Present

Class Representative

- Leadership: Guided peers and represented student interests.
- Facilitated communication between students, faculty, and administration.
- Collaborated with program directors to address student concerns and improve the overall student experience.
- Developed conflict resolution skills by handling disagreements within the class.