

Himanshu Agnihotri

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SKILLS

Languages:	Python, Java, C, C++, MySQL, HTML, CSS, JavaScript
Tools/Platforms:	MySQL, Scikit-Learn, VS Code, Leet Code, Jupyter Notebook
Soft Skills:	Collaborative Mindset, Task Management, Detail-Oriented, Effective Communication, Learning agility

PROJECTS

Sentiment Analysis of Social Media Presence GitHub <i>Python, Jupyter Lab, Streamlit</i>	Dec' 25
<ul style="list-style-type: none">Performed Exploratory Data Analysis (EDA) to identify sentiment trends, user engagement patterns, and keyword frequency distributions.Applied feature engineering techniques such as n-grams, POS tagging, and lemmatization to boost model performance.Conducted comprehensive exploratory data analysis to uncover sentiment patterns, peak activity times, trending topics, and correlation between engagement metrics and sentiment polarity.	
University Management System GitHub <i>Java, AWT, Swing, DSA</i>	Jul' 25
<ul style="list-style-type: none">Developed a robust University management system using Java, enabling efficient and digitalised management of University resources, reducing manual workload by 40%.Transformed management interface to allow effortless coordination of rooms, employees, drivers, and customers; boosted operational efficiency by 50% with a more compliant and user-friendly system.Integrated MySQL database with the application for data storage and retrieval, ensuring data integrity and reducing retrieval time by 30%.	
AI based oxygen level detection on heaters during wintertime GitHub <i>Python, ML Predictive Analysis</i>	Apr' 25
<ul style="list-style-type: none">Designed a smart safety system to monitor oxygen levels around room heaters during winter using gas sensors and AI-based prediction models.Integrated hardware components including MQ-135/O2 sensors, DHT22, and ESP32/Arduino to collect real-time environmental data.Created and deployed a web- based application using Flask and integrated HTML, ensuring an intuitive and visually appealing interface, resulting in a user satisfaction score of 90.	

TRAINING

Fundamentals of Data Structures: Learn. Apply and Build Projects	Jun' 25 – Jul' 25
Lovely Professional University Certificate	
<ul style="list-style-type: none">Implemented core data structures including arrays, linked lists, stacks, queues, hash tables, trees, and graphs to solve real-world computational problems.Applied sorting and searching algorithms (Merge Sort, Quick Sort, Heap Sort, Binary Search) to optimize data processing workflows by up to 30%.Employed feature engineering techniques to enhance model performance by 25% for predictive analysis.	

CERTIFICATES

Workshop at AWS Student Community Day Jalandhar AWS Certificate	Nov' 25
Computational Theory: Language Principal & Finite Automata Theory Infosys SpringBoard Certificate	Aug' 25
The Bits and Bytes of Computer Networking COURSERA Certificate	Sep' 24

ACHIEVEMENTS

- Completed 50 days on LeetCode | [Link](#)
- Solved 100+ problems on LeetCode | [Link](#)

EDUCATION

Lovely Professional University	Phagwara, Punjab
Bachelor of Technology	Aug' 24 – Present
Computer Science and Engineering [AI&ML]; CGPA: 6.62	
Mangalayatan University	Aligarh, Uttar Pradesh
Diploma in Engineering	Aug' 21 – July' 24
Computer Science and Engineering ; CGPA: 8.32	
St. Francis Inter College	Hathras, Uttar Pradesh
Matriculation	Mar' 20 – May' 21
Percentage: 69%	