

# SACHIN KUMAR SINGH

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## SKILLS

Languages:	C++, Python, MATLAB, Assembly Language, HTML
Tools/Platforms:	MySQL, Power BI, Rapid Minner
Soft Skills:	Problem-Solving Skills, Teamwork, Adaptability, Time Management, Statistical Knowledge

## PROJECTS

<b>Edu-Vault – Note Management System</b>	March 2025
<ul style="list-style-type: none"><li>Implemented user authentication and role-based dashboard using JDBC.</li><li>Enabled users to store notes as BLOBs in a MySQL database.</li><li>Built a clean and intuitive GUI using Swing with styled buttons and interactive dialogs.</li><li>Integrated file upload/download features for media-rich notes (PDF, PNG, JPEG).</li></ul> <p>Tools/Technologies: Java, Swing, JDBC, MySQL, OOP.</p>	
<b>Covid-19 Data Analysis</b>	November 2024
<ul style="list-style-type: none"><li>Analyzed COVID-19 trends across India, Australia, USA, UK, Russia, and Tanzania.</li><li>Performed Exploratory Data Analysis (EDA) to identify trends in cases, recoveries, and fatalities.</li><li>Applied descriptive statistics to summarize key insights.</li><li>Conducted correlation analysis to study relationships between different variables.</li></ul> <p>Tools/Technologies: Python, Pandas, NumPy, Matplotlib, Seaborn, Jupyter Notebook</p>	
<b>Google Search Analysis and Predicting Model</b>	October 2024
<ul style="list-style-type: none"><li>Data analysis and machine learning techniques to forecast search trends and user behaviour.</li><li>Collected and processed Google search trends data using Google Trends API.</li><li>Performed Exploratory Data Analysis (EDA) to identify patterns and seasonality in search queries.</li><li>Applied time-series analysis to detect trends, peaks, and correlations in search volumes.</li></ul> <p>Tools/Technologies: Python, Google Trends API, Jupyter Notebook, Time-Series Analysis</p>	

## CERTIFICATES

Cloud Computing with AWS	June 2025- July 2025
AI for beginner – HP Life	January 2025
CS302 Software Engineering	August 2024- November 2024
Cyber Physical System	December 2022

## ACHIEVEMENT

Selected for Service Selection Board Interview	August 2021
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## EDUCATION

<b>Lovely Professional University</b>	Punjab, India
<i>Master of Computer Application - Data Science Honors; CGPA: 8.48</i>	August 2024- Present
<b>University of Delhi</b>	Delhi, India
<i>Bachelor of Electronics Science Honors; CGPA: 7.662</i>	August 2020 – June 2023
<b>Army Public School</b>	Mamun Cantt, Pathankot
<i>Intermediate with Science; Percentage: 81.8%</i>	April 2019 - March 2020
<b>Army Public School</b>	Jodhpur, Rajasthan
<i>Matriculation; Percentage: 77.4%</i>	April 2017 - March 2018