

# Sneha Suman

Linkedin : [Snehasuman](#)

Github : [snehasuman019](#)

Email : [snehasuman1119@gmail.com](mailto:snehasuman1119@gmail.com)

Mobile: +91-9508548859

## SKILLS

- **Languages:** C++, Python, SQL, HTML, CSS, Java.
- **Frameworks / Libraries :** Numpy, Pandas, Matplotlib, Seaborn, Scikit-Learn.
- **Tools/Platforms:** Git & Github, Power BI, Excel, Jupyter Notebook, VS Code, MySQL, Linux/Ubuntu, Canva.
- **Soft Skills:** Problem-Solving, Communication, Teamwork and Collaboration, Adaptability, curious learner , time management.

## TRAINING

### Summer Training - Mastering Data Structures and Algorithms – Board Infinity

June'25-July'25

- Covered core programming and DSA fundamentals including Arrays, Strings, Linked Lists, Stacks, Queues, Trees, Graphs, Sliding Window, Recursion, Backtracking, Sorting & Searching, and introductory Dynamic Programming.
- Gained hands-on implementation experience in C++ and Python, focusing on time-space complexity analysis, problem-solving patterns, and optimized coding techniques.
- Strengthened competitive programming and interview readiness through regular coding exercises, live problem walkthroughs, and structured assessments.
- Built and deployed mini-projects such as a Regex Pattern Matcher and Palindrome Checker, applying recursion, backtracking, and string-processing algorithms to develop efficient real-world logic implementations.
- **Palindrome-Checker**  
**Regex-Pattern-Matcher**

## PROJECTS

• <b>Meteorite Landings Analytics</b>	<a href="#">Dashboard</a>	Nov'25-Nov'25
Power BI		
◦ Developed an interactive geospatial dashboard to map global meteorite landings using latitude-longitude data, enabling exploration of regional patterns and impact zones.		
◦ Created dynamic slicers for mass, year, meteorite class, and fall status, allowing users to analyze trends and characteristics with real-time filtering.		
◦ Performed historical trend analysis by transforming date fields into year-wise insights and visualizing long-term patterns using time-series charts.		
◦ Enhanced user experience with drill-downs, tooltips, and a structured layout supported by optimized DAX measures for smooth and intuitive interaction.		
• <b>Crime Predictive Analysis using Machine Learning</b> : <a href="#">Github Link</a> <a href="#">Live Link</a>		Oct'25-Nov'25
Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Streamlit.		
◦ Preprocessed and engineered crime data by handling missing values, encoding categorical variables, scaling numerical features, and extracting temporal attributes for modeling.		
◦ Conducted exploratory data analysis with histograms, boxplots, heatmaps, and spatial visualizations to identify crime patterns across time, location, and shifts.		
◦ Built and evaluated multiple ML models including regression, classification, clustering, PCA, cross-validation, and ensemble techniques to predict crime attributes and detect hotspots.		
◦ Developed an interactive Streamlit dashboard with real-time predictions, crime maps, PCA plots, and model performance metrics for actionable insights.		

## CERTIFICATES AND CERTIFICATIONS

◦ Cloud Computing - NPTEL	<a href="#">Link</a>	Jan'25-Apr'25
◦ The bits and bytes of CN - Coursera	<a href="#">Link</a>	Sep'24-Oct'24
◦ TCP/IP, Packet Switching Networks and Algorithm - Coursera	<a href="#">Link</a>	Sep'24-Oct'24
◦ Fundamentals of Network Communication – Coursera	<a href="#">Link</a>	Aug'24-Oct'24
◦ Introduction to hardware and OS - Coursera	<a href="#">Link</a>	Aug'24-Sep'24

## EXTRACURRICULAR ACTIVITIES

- Head of Content and Social Media at Spark Student Organization.
- Managed social media content and engagement for a travel agency named KesarimalaTravellers, creating posts, reels, and travel campaigns that increased audience reach and customer interaction.
- Organized the Smart India hackathon as a member of the Spark Student Organization, coordinating events and ensuring smooth execution.
- Participated in COGNITIA a hackathon event at Lovely Professional University, showcasing problem-solving and teamwork skills.
- Participated in the Symposium 2.0 at Lovely Professional University. It was an event on cyber security conducted by LPU iGen community.

## EDUCATION

• <b>Lovely Professional University</b>	Punjab, India
◦ Bachelor of Technology - Computer Science and Engineering; CGPA: 7	Since August'20
• <b>MB DAV Public School</b>	Lohardaga, Jharkhand
◦ Intermediate; Percentage: 76%	April'21 – March'23
• <b>Greater Triveni Public School</b>	Lohardaga, Jharkhand
◦ Matriculation; Percentage: 90.4%	April'19 – March'21