DIVYANG SINGH SOMVANSHI

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B.Tech, Computer Science and Engineering
Address : 162,Navi Purva Dharamshala Road,Hardoi,Hardoi,INDIA

Summary

Enthusiastic and results-driven Computer Science undergraduate with a solid foundation in software development, data analytics, and machine learning. Skilled in Python, C++, and web technologies with a proven record of delivering full-stack and AI-enabled solutions. Experienced in collaborative environments, technical competitions, and real-world simulations. Eager to apply analytical thinking and technical acumen to contribute meaningfully to forward-thinking technology teams.

Education

SRM IST-Ghaziabad — 2026
B.Tech · Computer Science and Engineering — CGPA - 8.1/10

St. Xavier's Senior Secondary School — 2022
Class XII - Central Board of Secondary Education · MPC · Hardoi, Uttar Pradesh — Percentage - 68.83%

St. Xavier's Senior Secondary School — 2020
Class X - Central Board of Secondary Education · MPC · Hardoi, Uttar Pradesh — Percentage - 89%

Projects

Stock Market Portfolio Tracker | GitHub Repository — May 2025 - Jun 2025
Individual · Python, NumPy, Pandas, Matplotlib, Scikit-learn — Machine Learning

- Created a tool to help track and analyze stock portfolio trends using Python.
- Used sentiment analysis and technical indicators to improve market predictions.
- Applied machine learning models for forecasting and visualized data insights with Matplotlib.
- Managed source code with Git for version control.

CollabHub: Revolutionizing Real-time Team Collaboration | GitHub Repository — Nov 2024 - Nov 2024
Hackathon Team · React, Node.js/Socket.IO — Full Stack Development

- Built a web app that lets users collaborate in real-time through shared coding, drawing, and text editing.
- Used React for the front end and Node.js with Socket.IO for live, two-way communication.
- Designed the system to handle multiple users editing at once without conflicts.

Geospatial Data Analysis | Project Link — Aug 2024 - Aug 2024
Indian Institute of Remote Sensing · Google Earth Engine, CNN, Python — Machine Learning

- Worked on classifying satellite images using convolutional neural networks (CNNs).
- Processed large geospatial datasets through Google Earth Engine.
- Automated parts of the workflow with Python to make it easier to analyze land cover changes.

Certifications

Data Base Management System | Certificate — Apr 2025
Indian Institute of Technology Kharagpur · NPTEL25CS18S548000262

Completed a rigorous academic course covering relational database concepts, SQL programming, normalization, indexing, and transaction processing. Developed hands-on expertise in query writing and ER modeling using real-world case studies.
Skills: SQL, ER Diagrams, Normalization, Transaction Control

Advanced SQL | Certificate — Dec 2024
HackerRank · 78b75e6f248f

Validated advanced SQL capabilities, including query tuning, indexing strategies, and the application of window functions. Designed scalable relational schemas for efficient data retrieval and reporting.
Skills: SQL, Query Optimization, Schema Design, Data Modeling

AI/ML for Geodata Analysis | Certificate   Aug 2024
Indian Institute of Remote Sensing · 5f645280710055eb86f18a3aee72f103

Specialized in geospatial AI applications, including land classification, segmentation, and predictive modeling using CNNs. Executed supervised/unsupervised workflows via Google Earth Engine and Python (TensorFlow, Scikit-learn).
Skills: Geospatial ML, CNN, Remote Sensing, Google Earth Engine, Python

Career Essentials in Data Analysis | Certificate   Dec 2024
Microsoft / LinkedIn ·
7e605186d81e593e063844f4f540103105b52d120254cff8184dc1779da3e45e

Completed an industry-oriented program emphasizing statistical analysis, data transformation, and visualization. Utilized Power BI and Excel for dashboard creation and conducted SQL-driven analytics to support business decision-making.
Skills: Microsoft Excel, SQL, Power BI, Statistical Analysis, Predictive Modeling

Volunteering

RUBAROO CULTURAL FEST   Apr 2023 - Apr 2023
Management Volunteer · National Level Cultural Fest

- Supported event coordination for a large-scale national cultural fest attended by over 5,000 students.
- Contributed to logistical planning, artist management, and crowd handling to ensure smooth execution of stage events and performances.

INNOVATE 2024 | Link   Apr 2024 - Apr 2025
Public Relations Member · National Level Technical Fest

- Served as Public Relations member for a national tech fest featuring competitions like RoboWars and CodePen.
- Promoted event branding, managed outreach campaigns, and facilitated partnerships for workshops and exhibitions.

Competitions

HackHound 3.0 Hackathon | Certificate   Feb 2025
Participant · Hackhound Club

Participated in a 24-hour national-level hackathon:

- Developed an end-to-end solution under time constraints with agile teamwork.
- Built working prototypes and presented the project to judges.
- Gained practical exposure to fast-paced development, collaboration, and problem-solving.
Skills: Teamwork, Rapid Prototyping, Agile Development, UI/UX Design

Conferences and Workshops

Action AI Conference | Document   Oct 2024
Coding Blocks · Radisson Blu, Kaushambi, Ghaziabad (Delhi/NCR)

The Action AI Conference 2024 was one of India's largest AI events, held on October 18, 2024, in Delhi NCR. The conference brought together top AI experts, industry leaders, and innovators from major companies like Nvidia, Microsoft, Google, AWS, Cisco, TCS, Accenture, and Paytm to discuss the latest AI advancements and their impact on industries.

Skills

Programming Languages: Python, C++, SQL, HTML, CSS, JavaScript
Languages and Frameworks: Scikit-learn, Pandas, Matplotlib, React.js, Node.js
Tools and Technologies: Git, GitHub, Visual Studio Code, Jupyter Notebook, Microsoft Excel
Technical Skills: Data Analysis, OOP, Version Control, Machine Learning, Generative AI
Domain Knowledge: DBMS, Full-Stack Development, Cloud Computing, Computer Networks

Languages

English [Professional Working Proficiency], Hindi [Native Proficiency], German [Limited Working Proficiency]

Links

LinkedIn, HackerRank, GitHub, LeetCode