Aviral Verma

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SKILLS

Languages:	C++, Python, C, JavaScript, SQL, HTML/CSS
Data Science/ML:	Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn
Core:	Data Structures & Algorithms, OOP, Machine Learning, Data Analysis
Tools:	Git, GitHub, VS Code, Google Colab, MySQL

PROJECTS

AI Based Smart Classroom | *Python, Pandas, NumPy, Scikit-Learn* | Github — Apr '26- Present

- Developing an ML-based classroom analytics system to classify student activities as productive or non-productive.
- Implemented and compared Logistic Regression, Random Forest, SVM, and Gradient Boosting models for activity classification.
- Performed data preprocessing, feature analysis, model evaluation, and visualization to analyze classroom activity patterns and generate insights for improving student engagement and productivity.

IOT Based Smart Health Monitoring System | *IOT, Sensors, Python, Data Analytics* | Github — Dec '25

- Developed an IoT-based healthcare monitoring system to **collect and monitor real-time patient health parameters**, including heart rate, body temperature, and SpO_2 levels .
- Integrated **Arduino/ESP8266 microcontrollers with biomedical sensors** to automate data acquisition and enable wireless transmission of health metrics.
- Implemented **real-time data processing and analytics** using Python to analyze patient parameters and identify abnormal health conditions.

Cybersecurity Awareness | *Community Development Project* | Report — July '26

- Conducted cybersecurity awareness sessions covering phishing, password security, online safety, and common cyber threats .
- Delivered interactive sessions using presentations, cybersecurity videos, discussions, and practical.
- Guided participants in adopting safer digital practices and documented project activities, participation, and outcomes.

TRAINING

Professional Skill Development Training — Nov '25

Effective Time Management

- Completed professional training in **Effective Time Management**, focusing on productivity enhancement, goal setting, scheduling, and efficient task execution.
- Strengthened **professional communication, self-management, and organizational skills**, supporting effective academic performance and career development.
- Developed practical **time-management and decision-making capabilities** to manage multiple responsibilities efficiently and maintain consistent progress toward goal.

CERTIFICATES

Effective Time Management | *Great Learning*	May '24
Python for Data Science | *Cognitive Classes*	Apr '24
C Language | *Neo Colab*	Mar '23
SQL Basic | *HackerRank*	Mar '23

EDUCATION

Lovely Professional University — Phagwara, Punjab
Bachelor of Technology — Aug '25 – Present
Computer Science and Engineering; CGPA: 7.56

S.V.M. Inter College — Gola , Uttar Pradesh
Intermediate — Apr '23 – May '24
PCM; Percentage: 86%

S.V.M. Inter College — Gola, Uttar Pradesh
Matriculation — Apr '21 – May '22
Percentage: 82%