

Prashant Kumar

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GitHub — LinkedIn

Professional Summary

Driven senior at Chandigarh University with strong foundation in data analytics and emerging technologies. Skilled in SQL, Power BI, and data modeling, with hands-on experience in IoT systems and machine learning projects. Passionate about applying data-driven insights to solve real-world problems.

Education

Chandigarh University	2022 – 2026
B.Tech in Computer Science Engineering	CGPA: 7.31
Army Public School (CBSE)	2020 – 2021
Senior Secondary (XII)	79%
Army Public School (CBSE)	2018 – 2019
Matriculation (X)	77.6%

Projects

Symptom-Based Health Improvement System using ML	Jan 2026 – Mar 2026
- Collected and processed healthcare datasets mapping symptoms to diseases - Implemented ML models including Decision Tree, Random Forest, and Naive Bayes - Evaluated model performance for disease prediction accuracy	
Pizza Sales Analysis using Power BI	Aug 2025 – Dec 2025
- Performed ETL using Power Query: handled nulls, duplicates, and data inconsistencies - Built dashboards using DAX functions (SUM, CALCULATE, COUNTROWS, TOTALYTD) - Generated KPIs and insights to support business decisions	
Li-Fi Technology (Light Fidelity)	Jan 2025 – Mar 2025
- Developed communication system using Python (PySerial) and microcontrollers - Analyzed transmission reliability and data communication efficiency	
IoT-Based Air Pollution Monitoring System	Aug 2024 – Dec 2024
- Built IoT system using MQ gas sensors to monitor environmental pollutants - Stored real-time data in SQL database for analysis and tracking	
Rural Infrastructure and Livelihoods (Social Internship)	Jun 2023 – Jul 2023
- Conducted field research on rural development and infrastructure impact - Proposed sustainable solutions and documented findings in reports	

Skills

Languages: Python, Java, C, C++, HTML, CSS, JavaScript, SQL
Tools: VS Code, Git, GitHub, AutoCAD, MATLAB, Google Collab
Data Analytics: Power BI, DAX, Data Modeling, ETL Pipelines
Other: Communication, Teamwork, Leadership, Problem Solving

Core Competencies

CI/CD, Team Collaboration, Debugging, Frontend Optimization, Git Workflow

Certifications

- Google Data Analytics (Coursera) – 2025
- Foundation of Cloud IoT Edge ML – 2025
- Cryptography – NPTEL, 2024
- Cloud Computing – NPTEL (IIT Madras), 2024