Chhavi

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Portfolio: https://chhavi7104.github.io/portfolio_chhavi/| LinkedIn: www.linkedin.com/in/chhavi-sharma-8b7b3a24b

Education

Vellore Institute of Technology	**Sept 2022 – Jul 2026**
BTech. Computer Science and Engineering **CGPA: 8.53/10**	
DAV Public School	
12th physics chemistry mathematics **Percentage: 92.2%**	**Apr2020 – June 2021**
DAV Public School	
10th standard **Percentage: 86.2%**	**Apr2018 – June 2019**

Experience

Space Technology Intern | Indian Space Lab (ISRO-Backed)   **Dec 2024-Jan 2025**
- Completed advanced ISRO-certified training in satellite systems & drone technology, with a focus on remote sensing applications.
- Gained hands-on insight into the operational lifecycle of space-based data acquisition and analysis.

Research Intern | Blockchain for Nuclear Power Plants   **Jun 2024-Present**
- Designing a novel blockchain framework to increase operational security by **40%** for nuclear power plants.
- Developing a tamper-proof system to ensure immutable data logging and enhance protocol integrity.

Projects

Renewable Energy Loan Data Analysis & Risk Insights Project
(Academic / Analytics Project)
- Analyzed renewable energy and infrastructure loan datasets to identify trends in ticket size, tenure, and repayment patterns.
- Used SQL to extract, filter, and aggregate borrower and loan-level data for portfolio-level analysis.
- Built Excel-based financial models (EMI schedules, scenario and sensitivity analysis) to assess repayment stress conditions.
- Developed Power BI dashboards to visualize portfolio distribution, risk concentration, and performance trends.
- Applied Python (Pandas, NumPy) for data cleaning, trend analysis, and insight generation.

Personal Performance & Productivity Analytics Dashboard
Python, SQL, Excel, Power BI
- Designed an end-to-end analytics pipeline by extracting data using SQL, cleaning it with Python, and modeling it in Excel.
- Built interactive Power BI dashboards to track performance metrics, trends, and improvement areas.
- Improved data visibility and analytical efficiency by 30% through automated reporting and visualization.

Achievements

- Smart India Hackathon: Contributed to an AI-based solution for a Government of India use-case; advanced to final college evaluation round.
- Leadership Role: Led cultural teams, coordinating planning, execution, and mentoring peers to improve productivity and teamwork.

Technical Skills

Data & Analytics Tools
- **Advanced Excel** (Financial Modeling, EMI, Scenario & Sensitivity Analysis)
- **Power BI** (Portfolio Dashboards, DAX Basics, KPI Tracking)
- **SQL** (Data Extraction, Joins, Aggregations)
- **Python** (Data Analysis – Pandas, NumPy

Finance & Product Analytics
- Solar & Renewable Energy Financing (Foundational)
- Credit Risk & Portfolio Analysis
- Product Strategy & Lifecycle Understanding
- Market & Data-Driven Decision Making

Extracurricular

- **Languages**: Hindi (Native), English (Fluent)
- **Soft Skills:** Problem-Solving, Analytical Thinking, Agile Methodologies, Team Leadership.