

Shivangi Kumari

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Education

VIT Bhopal University , Bhopal	Jun 2022 – Jun 2026
B.Tech in Computer Science	CGPA: 8.72/10
DAV Public School , Ranchi	Mar 2020 – Mar 2021
Class 12 (CBSE)	94%
DAV Public School , Ranchi	Mar 2018 – Mar 2019
Class 10 (CBSE)	95%

Technical Skills

Programming Languages: Python, Java, JavaScript, SQL, HTML, CSS

Frameworks & Libraries: React.js, OpenCV, NumPy

Databases & Cloud: MySQL, AWS

Visualization & BI Tools: Tableau, Power BI, Excel, Google Analytics

Projects

Credit Risk Scoring System

Technologies: Python, Scikit-learn, SQL, PowerBI

- Developed a classification model to predict loan default risk using 50,000+ application records.
- Engineered key financial indicators (debt-to-income ratio, credit utilization) to enhance model accuracy and interpretability, achieving an AUC of 0.89.
- Designed a PowerBI dashboard to segment borrowers into low, medium, and high risk bands for data driven decisions.

NewsSphere-News Aggregator Web App

Technologies: React.js, MongoDB, Node.js, Chart.js

- Built full-stack NEWS application handling 100+ entries with real-time updates.
- Created responsive React dashboard with CRUD operations, enabling users to track news across 15+ categories with 95% data accuracy.
- Implemented interactive data visualization using Chart.js to display news patterns and monthly trends, improving user knowledge insights by 40%.

Retail Sales Demand Forecasting

Technologies: Python, Prophet, Pandas, Excel

- Built a time series forecasting model using Facebook Prophet on retail sales data (50,000+ records), improving forecast accuracy by 15% over baseline methods.
- Identified seasonal patterns to support demand planning and inventory optimization.
- Created visual dashboards in Python and Excel to compare predicted vs. actual demand, reducing potential stock-outs by 15%.

Achievements

- **Certifications:** SQL and Relational Databases 101 (Cognitive Class), Java Foundations Associate (Oracle), NPTEL Cloud Computing, IBM Cybersecurity Analyst

- **Initiative:** Fundraising Volunteer – Partnered with an NGO in my hometown to raise 50,000 and distribute essential supplies in underprivileged communities.

- **Hackathon:** Placed in the top 30 among 2000+ participants in a PixelCraft Labs design sprint, creating a responsive e-commerce prototype in Figma recognized for clarity and user-friendly navigation

Extracurricular Activities

- **Event Organizer:** Badminton Coordinator Annual Sports Fest AdViTyA, managed 50+ participants.

- **Volunteer:** NSS (National Service Scheme), participated in community service initiatives.

- **Interests:** Exploring creative fields like digital drawing, journaling and content writing alongside technical learning.