Shivam Kumar

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GitHub | LinkedIn | Hacker Rank | Portfolio

SUMMARY

Proficient in Python, SQL, Advanced Excel and Power BI with expertise in statistical analysis and predictive modeling. Successfully developed ML models achieving 90%+ accuracy and optimized database performance by 40%. Skilled in creating interactive dashboards and translating complex data into actionable business insights.

SKILLS

- **Programming Languages:** Python, R, DAX
- **Libraries/Frameworks:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, AI/ML
- **Tools / Platforms:** Power BI, Advanced Excel, PowerPoint, Git/GitHub, Jupyter Notebook, VSCode
- **Databases:** SQL, Oracle, MySQL
- **Professional Skills:** Team Collaboration, Project Management, Process Optimization

EDUCATION

DPG Institute of Technology and Management | Gurugram, India June 2021 June 2025
Bachelor of Technology in Data Science with CGPA: 8/10

Government Senior Secondary School | Gurugram, India April 2020 April 2021
PCM class 12th with Percentage: 92.6%

EXPERIENCE

Capgemini & AISECT | Data Analytics Trainee | Gurugram, India November 2025 March 2026

- Completed industry-focused Data Analytics training, building hands-on skills in Python, SQL, Excel, and Power BI for real-world business use cases.
- Analyzed 10,000+ customer records using Python (Pandas), SQL, and Excel to identify trends and improve data interpretation accuracy by ~20%.
- Built interactive Power BI dashboards to track KPIs, improving reporting efficiency and supporting faster data-driven decision-making (~25%).
- Performed data cleaning, transformation, and exploratory data analysis (EDA), reducing inconsistencies by ~30% and generating actionable insights.

Honeywell & ICT Academy | Cybersecurity Trainee | Gurugram, India | Link January 2025 February 2025

- Achieved 95% threat detection accuracy by systematically analyzing 1,000+ security log entries to identify and document critical patterns.
- Identified and documented 15+ critical vulnerabilities through comprehensive network analysis and risk assessment reporting.
- Reduced potential attack vectors by 40% through rigorous testing across 3 system architectures to enhance security protocols.
- Improved team incident response efficiency by 25% by coordinating with cross-functional teams to implement a new security framework.

PROJECTS

Medical Imaging Analysis System | Link
Tools Used: Python, Scikit-learn, Pandas, Matplotlib, Seaborn

- Designed and trained a deep learning model (CNN) using TensorFlow to classify chest X-rays, streamlining a previously manual diagnostic process and achieving 92% model accuracy.
- Executed the full data science pipeline: cleaned and pre-processed 5,000+ raw images with OpenCV, performed data augmentation to balance classes, and validated results using a confusion matrix and classification report.

Customer Churn Prediction System | Link
Tools Used: Python, Pandas, Scikit-learn, SQL, Power BI

- Created a predictive model using Random Forest that achieved 90% accuracy in identifying at-risk customers, enabling targeted retention efforts for the top 20% most likely to churn.
- Executed comprehensive feature engineering and analysis that identified key churn drivers (support ticket volume, usage frequency), supporting a projected 5% reduction in monthly customer attrition.

CERTIFICATIONS

- Python for Data Science **IBM**
- SQL for Relational Databases **IBM**