

AYUSH KESARWANI

Data Analyst | Machine Learning Enthusiast

+917607686839 / ayush18012002@gmail.com / [Linkedin](#) / [Github](#)

PROFILE

Motivated and detail-oriented data analytics professional with a strong foundation in programming, statistical analysis, and data visualization. Proficient in Python, SQL, and Power BI, with a proven ability to deliver actionable insights. Certified in high-performance coding, data analytics, and machine learning. Skilled in teamwork and problem-solving, with a commitment to continuous learning and delivering measurable business impact.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java SE
- **Data Analytics & Visualization:** SQL, Power BI, Tableau
- **Data Science Tools & Libraries:** Jupyter Notebook, NumPy, Pandas, Scikit-learn, Matplotlib
- **Core Concepts:** Data Preprocessing, Predictive Analytics, Exploratory Data Analysis (EDA), Machine Learning Models

SOFT SKILLS

- **Problem-Solving:** Demonstrated ability to analyze complex problems and deliver data-driven solutions through academic and project work.
- **Team Collaboration:** Gained teamwork and leadership skills by directing the AIEM Club SDE team and collaborating on academic projects.
- **Communication:** Effectively presented insights and solutions during hackathons, certifications, and project reviews.
- **Adaptability:** Successfully navigated challenges such as limited resources and dynamic environments in project execution.

CERTIFICATIONS

- Tata Group - Data Visualization: Empowering Business with Effective Insights Job Simulation at Forage (Jan 2025)
- Google Data Analytics Certificate, Coursera (Oct 2023)
- Microsoft Data Analysis and Visualization with Power BI, Coursera (Dec 2023)
- Scalar DBMS Course – Master the Fundamentals and Advanced Concepts, Scalar (Oct 2023)

EDUCATION

Vellore Institute of Technology, Bhopal

Integrated M.Tech in Artificial Intelligence

- Current CGPA: 8.07/10 (2020 – Present)
- Relevant Coursework: Data Structures, Algorithms, Artificial Intelligence, Machine Learning, DBMS, Data Analytics, Data Science

PROJECTS

WhatsApp Chat Analyzer Web Application (Sep 2023)

- Engineered a Python-based application to visualize WhatsApp chat data and extract communication patterns.
- Delivered an interactive interface using Streamlit for seamless user engagement.
- GitHub: [WhatsApp Chat Analysis](#)

Customer Churn Prediction and Analysis (Aug 2024)

- Designed a machine learning model to predict customer churn with 89% accuracy, leveraging Random Forest.
- Visualized churn trends and retention strategies via Power BI dashboards, improving stakeholder decision-making.
- Quantitative Insights: Highlighted a 35% higher churn rate among specific customer segments.
- GitHub: [Customer Churn Analysis](#)

Developing an AI Model to Detect Telemarketing Scams using Generative AI (Jan 2025)

- Architected an AI-driven bot to detect scam calls with 93% accuracy using OpenAI's GPT-4 and Whisper models.
- Reduced response time by 30% and identified scam patterns for proactive fraud prevention.
- Tools: Python, OpenAI API, Whisper Model.

HR Attrition Analysis (July 2024)

- Conducted employee attrition analysis using Power BI and DAX, uncovering factors behind high turnover rates.
- Delivered actionable recommendations to HR teams for retention strategies.
- GitHub: [HR Attrition Data Analysis](#)

ACHIEVEMENTS AND ACTIVITIES

- Directed the AIEM Club SDE Team at VIT Bhopal, enhancing the club's online presence and team productivity.
- Completed Applied Machine Learning in Python, University of Michigan (Oct 2021), demonstrating proficiency in machine learning concepts and practical applications.
- Achieved Iamneo High Performance Coding (DSA with C++), Iamneo (Jan 2024), recognizing expertise in data structures and algorithms.

ADDITIONAL INFORMATION

- Languages: English (Proficient), Hindi (Native)
- Interests: Data Visualization, Predictive Analytics, AI Applications in Business