Ayushi Thakur

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https://github.com/ayushi21136

SUMMARY

Detail-oriented Data Analyst with expertise in statistical analysis, data visualization, and database management. Proficient in Python, SQL, Excel, Power BI and Tableau for extracting insights and presenting findings and good knowledge of data structures and algorithms. Excellent problem-solving skills and a passion for continuous learning and professional growth.

Strong communication skills to effectively collaborate with cross-functional teams and convey complex technical concepts to non-technical stakeholders.

TECHNOLOGIES

- **Languages:** Python, C++, HTML, CSS
- **Developer Tools:** Visual Studio Code, Codeblocks , Jupyter Notebook
- **Visualizing Tools:** Excel, Power BI, Tableau
- **Cloud/Databases:** MySQL, Google Cloud
- **Libraries and Frameworks:** Pandas, Numpy, Scikit-Learn, Matplotlib, Seaborn
- **Coursework:** Deep Learning, AI/ML, NLP, DSA, Operating System, DBMS, Computer Network

EDUCATION

Dr. D.Y. Patil Institute of Engineering Management and Research, Pune Dec 2021 - June 2025
Bachelor of Engineering

- GPA: 8.59/10
- **Coursework:** Computer Engineering

B.S.P. Senior Secondary School, Sector-10, Bhilai Higher Secondary Education 2020 - 2021

- Percentage: 90.6
- **Stream:** PCM

B.S.P. Senior Secondary School, Sector-10, Bhilai Senior Secondary Education 2018 - 2019

- Percentage: 91.6
- **Stream:** PCM

CERTIFICATIONS

- **Data Science with Python:** Azure Fundamentals, NLP, CV, Python, Machine Learning *Certificate*

- **Complete A.I. & Machine Learning, Data Science Bootcamp:** Libraries(Pandas, Numpy, Matplotlib, Seaborn, Scikit-Learn), Data Engineering, Neural Networks *Certificate*

- **DSA in December:** C++, Problem Solving, Data structures *Certificate*

PROJECTS

Movie rating prediction Nov 2023 - Dec 2023

- Developed a machine learning model to predict movie ratings based on various features such as genre, director, cast, and release year.
- Utilized techniques including data preprocessing, feature engineering, and model evaluation to improve prediction accuracy. Implemented algorithm such as linear regression.
- Achieved significant predictive performance, demonstrating the potential for enhancing recommendation systems in the entertainment industry.

- Link to project

Titanic survival prediction Dec 2023 - Jan 2024

- Developed a data science model to predict passenger survival on the Titanic. Utilized Python and machine learning techniques to analyze and preprocess the dataset, engineered features, and applied classification algorithms (e.g., logistic regression).
- Achieved 89% accuracy, providing insights into the factors influencing survival rates.
- Link to project

Credit Card Fraud Detection Jan 2024 - Feb 2024

- Developed a machine learning model to detect fraudulent credit card transactions.. Implemented algorithms such as Logistic Regression and Random Forest.
- Utilized techniques including data preprocessing, class imbalance handling, and model evaluation to improve detection accuracy.
- Achieved high performance using metrics like precision, recall, and F1-score, demonstrating effectiveness in fraud detection systems.
- Link to project

EXTRACURRICULAR

Rotaract Club of DYPIEMR July 2022 - July 2023

- *Finance Associate*