ROSHANI SINGH

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PROFESSIONAL SUMMARY

Detail-oriented Computer Science student (4th Year) with practical experience in data analysis, machine learning, and Python development. Proven track record of cleaning, interpreting, and visualizing complex datasets to drive insights. Skilled in SQL, Excel, and statistical modelling, with foundational knowledge of AWS cloud services, seeking to leverage analytical skills in a challenging Data Analyst internship.

TECHNICAL SKILLS

- **Data Analysis & Visualization:** SQL, Microsoft Excel, Data Cleaning, Exploratory Data Analysis (EDA), Dashboard Creation.
- **Cloud & Tools:** AWS (Basics - EC2, S3), Git/GitHub.
- **Programming Languages:** Python, C++, JavaScript, HTML/CSS.
- **Libraries & Frameworks:** Pandas, NumPy, Scikit-learn, Stream lit.
- **Machine Learning:** Classification, Regression, Clustering, Generative AI.
- **Soft Skills:** Analytical Thinking, Problem Solving, Documentation, Communication.

PROFESSIONAL EXPERIENCE

TeachMaven | *AI/ML with Python Intern | Mar 2025 – Apr 2025*
- Implemented machine learning models using Python libraries such as Scikit-learn, Pandas, and NumPy for predictive analysis.
- Worked on real-world datasets to perform classification, regression, and clustering tasks.
- Participated in model evaluation and optimization using metrics like accuracy, precision, and recall.
- Documented workflows, findings, and performance insights in team discussions and reports.

SSzone Technologies | *C++ Intern | Feb 2024 – Mar 2024*
- Developed and tested software solutions to meet client requirements.
- Wrote and maintained documentation for C modules and functions.

Prepinsta | *Data Analyst Intern | Dec 2023 – Feb 2024*
- Utilized statistical techniques to analyse and interpret large datasets from company sources.
- Optimized data storage solutions to improve performance and analytical efficiency.
- Conducted data cleaning and validation to ensure robust and accurate reporting.
- Created dashboards and summary reports for key stakeholders.

PROJECTS

Fashion Recommender System | *Python, Stream lit | Mar 2025 – Apr 2025*   🔗 Project
- Built an interactive web app using Stream lit that recommends clothing items based on image similarity.
- Implemented MobileNetV2 + k-NN for feature extraction and retrieval, integrated Google Drive for dataset handling, and added features like Top-K recommendations and filtering.
- Showcased skills in Computer Vision (CV), Deep Learning, and ML App deployment.

Fitbit Fitness Tracker Data Analysis | *Python | Dec 2023 – Feb 2024*   🔗 Project
- Performed end-to-end analysis using Python for cleaning, transforming, and visualizing Fitbit fitness data.
- Analysed activity metrics like steps, sleep, calories, and heart rate using descriptive statistics.
- Used scatter plots, regression lines, and boxplots to uncover fitness trends.

EDUCATION

Bachelor of Engineering in Computer Science and Engineering *VIT, Nagpur, Maharashtra | 2022 – 2026 (Expected)*

CERTIFICATIONS & COURSES

- Data Analytics and Visualization Job Simulation – Accenture
- Generative AI Content Creation (Adobe) – Coursera
- Data Structures and Algorithms – Dev Town

ACHIEVEMENTS

2nd Rank: Error Debugger Competition (College Level)