Saksham Shrivastava
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Designation: Data Science Engineer

Professional Summary

- **Data Science and Front-End Developer** with practical experience through internships and personal projects.
- Proficient in designing user-centric web applications and implementing **machine learning models**.
- Skilled in data analysis, model building, and visualization using tools like **Python, Streamlit, and Power BI**.
- Built machine learning models for customer churn and atrial fibrillation classification.
- Developed interactive **data dashboards** and user interfaces with **Streamlit and Flask**.
- Familiar with web development using **HTML, CSS, and JavaScript**.
- Strong grasp of data visualization, **SQL, and BI tools like Power BI and Tableau**.

Technical Skills

Domain	Tools / Technologies
Programming Languages	Python, C++, C
Web Development	HTML, CSS, Flask, Django, Streamlit
Data Analysis	Pandas, NumPy, Excel, SQL
Machine Learning	Machine Learning
Cloud	Azure, AWS
Visualization Tools	Power BI, Tableau
Dev Tools	Git, GitHub

Work Experience

Organization – CodersCave
Role – Data Science Intern
Working Summary

- **Built machine learning models on real-world datasets using Python and scikit-learn**
- **Performed data preprocessing tasks including data cleaning, normalization, and encoding**.
- Conducted exploratory data analysis (EDA) to identify trends and correlations in datasets.
- Deployed models through basic web interfaces for demonstration.

Organization – CodeClause
Role – Python Developer Intern
Working Summary

- **Developed Python-based automation scripts and data processing tools**
- **Wrote clean, modular code with reusable functions and organized project structures.**
- **Assisted in debugging and optimizing existing codebases to improve performance**
- Used GitHub for project versioning and collaboration with peers.
- Participated in code reviews and documented code for scalability and reusability.

Projects

Customer Churn Prediction

Tools – Python, Pandas, Scikit-learn, Streamlit

- Built a machine learning model to predict customer churn based on behavioral and service usage patterns
- Engineered features from contract, payment, and demographic data to improve model accuracy.
- Evaluated multiple classification algorithms (Logistic Regression, Decision Tree) to optimize performance.
- Deployed an interactive Streamlit dashboard for business users to test predictions in real time

Atrial Fibrillation Classification

Tools – Python, CNN , NumPy, Matplotlib

- Implemented a Convolutional Neural Network to detect atrial fibrillation from signal data.
- Pre-processed time-series input to enhance learning and model generalization.
- Achieved high accuracy by fine-tuning hyperparameters and applying dropout for regularization.
- Aimed to assist medical practitioners in preliminary screening through automation.

Dynamic Data Analyzer Web App

Tools – Python, Streamlit, Pandas, Excel/CSV

- Created a web app for real-time data inspection, allowing users to upload CSV or Excel files for analysis.
- Automated key insights such as null values, data types, statistical summaries, and column distributions.
- Built a responsive user interface using Streamlit for a seamless no-code experience.
- Enabled quick dataset profiling for analysts and students without coding expertise.

Personal Portfolio Website

Tools – HTML, CSS, JavaScript, GitHub Pages

- Built a responsive and visually engaging portfolio website to showcase technical skills, projects, and resume.
- Integrated clean UI/UX design principles to ensure clarity and navigation ease for recruiters and visitors.
- Included detailed project summaries, internship experiences, and a downloadable resume section.
- Hosted the portfolio live via GitHub Pages

Achievements & Leadership

- **Team Lead, Smart India Hackathon (2023):** Led a team in solving real-world challenges using technology.
- **Multiple academic projects:** Involved in designing full ML pipelines and web applications.
- **Public speaking and mentoring:** Helped peers with project development and skill-building.

Academic Details

- B.Tech in Computer Science and Engineering (Data Science), Gyan Ganga Institute of Technology and Sciences, Jabalpur, affiliated with RGPV, Bhopal (2020–2024) – CGPA: 8.39