Noor Fathima

Data Scientist

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SUMMARY

Results-driven Data Science professional with hands-on experience in data analysis, machine learning, and NLP. Proficient in Python, SQL, and tools like Pandas and Scikit-learn. Skilled in building predictive models, text classifiers, and data visualizations. Experienced with real-world datasets, model deployment, and REST APIs. Passionate about extracting insights and staying updated with emerging technologies

EXPERIENCE

Data Science Intern   Sep '24 — Mar '25

ExcelR   Bangalore , India

Gained hands-on experience in data analysis, machine learning, and natural language processing (NLP).
Worked on real-world projects including **resume classification** and **K-Means clustering for data segmentation**.
Applied data preprocessing techniques such as text cleaning, tokenization, and normalization.
Built classification models using **Logistic Regression** and **SVM**, evaluated using accuracy and F1-score.

- Implemented **TF-IDF** for feature extraction in NLP-based projects.
  Visualized data and model results using **Matplotlib** and **Seaborn**.
  Collaborated with mentors and peers using Git and GitHub for version control.
  Strengthened skills in **Python, Pandas, NumPy, Scikit-learn**, and **Jupyter Notebook**.

EDUCATION

Bachelor in Computer Application , Bapuji Institute of Hi-tech Education, Davangere   Jan '21 — Jan '24
                                                                                                         Davangere, India

- Completed a three-year undergraduate program focused on computer science and software development. Gained strong foundational knowledge in programming, web development, and database management through hands-on labs, projects, and coursework
  Key Skills Gained:
  HTML, CSS, JavaScript, React.js, Python, SQL, PHP, MySQL, Git, GitHub, Responsive Design, UI/UX Principles

CERTIFICATIONS

Certified Data Science and Data Analytics Professional, ExcelR, Bangalore   Jan '24

PROJECTS

CLOUD DROPS 2024   Jan '24 — Jun '24

- Developed a secure, web-based platform for uploading and storing sensitive documents using cloud-based storage techniques and encryption. The platform ensures data privacy through a custom document-splitting algorithm that breaks files into multiple encrypted fragments before storing them.
- Designed a responsive front-end using **HTML, CSS, and JavaScript**.
  Implemented server-side logic using **PHP** and handled data storage with **MySQL**.
  Developed a **file encryption and fragmentation algorithm** to enhance security.
  Created a **user authentication** system with access control features.
  Focused on **data integrity**, preventing unauthorized access and file tampering.
  Ensured a **mobile-friendly UI** for better accessibility.

K-MEANS CLUSTERING-DATA SEGMENTATION PROJECT   Apr '25 — Jul '25

- Implemented the K-Means clustering algorithm to identify natural groupings in unlabeled datasets.
- Preprocessed and normalized data to improve clustering accuracy and performance.
- Visualized clusters using Matplotlib and evaluated model performance using inertia and silhouette scores.
- Gained insights into customer segmentation and unsupervised learning techniques.

RESUME CLASSIFICATION USING MACHINE LEARNING   May '25

- Built a machine learning model to classify resumes into predefined job categories (e.g., Data Science, Web Development, etc.).
- Applied Natural Language Processing (NLP) techniques for text cleaning, tokenization, and feature extraction (TF- IDF).
- Trained and evaluated classification models (e.g., Logistic Regression, SVM) to achieve high accuracy.
- Deployed the model in a user-friendly interface for testing resume uploads and category prediction.

GASTROGLOW-FOOD WEBSITE (FRONT-END PROJECT)

- Designed a clean, responsive website for food lovers with sections like "Signature Dishes," "Customer Favorites," and "Meet the Chef."
- Built interactive UI elements like a testimonial slider, skill bars, and an embedded Google Map using HTML, CSS, and JavaScript.
- Created a contact form with fields for name, email, and message, enabling users to make reservations.
- Focused on modern design with smooth navigation and mobile-friendly layout to enhance user experience.

FLEXFORGE - FITNESS WEBSITE (FRONT-END PROJECT)   Jan '25

- Designed responsive website with sections like "Meet the Trainer" and "Our Services".
  Built contact form and UI components using HTML, CSS, JavaScript

SKILLS

Programming/Data   Python (NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, Statsmodels, SQL (Joins, Window Functions, CTEs, Aggregations), Bash/Shell Scripting

Core Data Science   Data Analysis & Exploration, Statistical Analysis Hypothesis Testing, Predictive Modeling, Supervised & Unsupervised Learning Feature Engineering, Data Cleaning & Preprocessing, Time Series Analysis A/B Testing

Machine Learning Algorithms   Linear & Logistic Regression Decision Trees & Random Forests, Support Vector Machines (SVM) , K-Nearest Neighbors (KNN), Naive Bayes K-Means Clustering, Principal Component Analysis (PCA) Gradient Boosting (XGBoost, LightGBM, CatBoost) Neural Networks & Deep Learning Basics

Natural Language Processing (NLP)   Text Cleaning (tokenization, stop words removal, stemming/lemmatization), Feature Extraction (TF-IDF, Bag of Words), Word Embeddings (Word2Vec, GloVe) Sentiment Analysis Text Classification, Named Entity Recognition (NER) Topic Modeling (LDA) Hugging Face Transformers (for advanced roles)

Tools & Technologies   Jupyter Notebook, Google Colab, Anaconda Git & GitHub, Docker (for model deployment), REST APIs (calling & creating ML APIs) Streamlit / Flask / FastAPI (for model deployment) Excel (for quick data analysis)

Data Visualization Tools   Matplotlib, Seaborn, Plotly, Tableau / Power BI (for business dashboards), Excel Charts & Pivot Tables

Model Evaluation & Tuning   Cross-Validation, Confusion Matrix, Precision, Recall, F1-Score, ROC-AUC, Hyperparameter Tuning (Grid Search, Random Search, Optuna)

Soft Skills   Problem-Solving, Critical Thinking, Communication (technical & non-technical), Collaboration & Teamwork Time Management, Attention to Detail

Languages   English

VOLUNTEERING

Student Volunteer, Red Cross Youth Wing

davanagere
Feb '23 — Feb '23

Assisted in organizing and managing a blood donation camp in coordination with the Red Cross team.
Promoted awareness among college students through posters and announcements.
Managed on-site registration and guided donors through the donation process.
Developed communication and organizational skills through real-time coordination.