Sairaj Sathe

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Objective

To apply my expertise in data analytics and machine learning to contribute to a dynamic organization, leveraging my skills to drive innovation and achieve the company's strategic goals.

Education

Bachelor of Engineering (BE), Electronics & Computer Science Engineering
Fr. Conceicao Rodrigues College of Engineering, Mumbai University
Pursuing, CGPA: 8.0/10
Year of Graduation: [Expected Year]

Higher Secondary Certificate (HSC)
Mahadik Junior College, Maharashtra State Board
Year of Completion: 2022
Percentage: 74%

Secondary School Certificate (SSC)
Wategaon High School, Maharashtra State Board
Year of Completion: 2020
Percentage: 91%

Experience

Data Analytics Intern
Tata Consultancy Services (TCS), Data Science & Analytics Department
May 2024 – June 2024

- Developed predictive models that improved customer retention, reducing churn rates by 15%.

- Conducted data cleaning, transformation, and exploratory data analysis on large-scale datasets.

- Implemented machine learning algorithms like logistic regression and random forest.

- Created interactive dashboards in Tableau, facilitating data-driven decisions for stakeholders.

Project Work

Customer Segmentation using Clustering Techniques
April 2024

- Analyzed e-commerce customer data to identify distinct purchasing segments.

- Preprocessed data and applied K-Means Clustering, using PCA for dimensionality reduction.

- Provided insights for targeted marketing strategies using Python and Scikit-learn.

Image Classification using Convolutional Neural Networks
March 2024

- Developed a CNN model for classifying images in the CIFAR-10 dataset, achieving 92% accuracy.

- Enhanced model performance using data augmentation and transfer learning (VGG16).

- Tools: Python, TensorFlow, Keras.

Full-Stack Web Application for Predictive Analytics
November 2023

- Designed a full-stack application predicting customer lifetime value for a retail business.

- Developed backend with Flask and frontend with React.js, integrating via REST API.

- Tools: Python, Flask, React.js, SQLAlchemy.

Movie Recommendation System
August 2023

- Built a recommendation system using collaborative filtering and matrix factorization.

- Evaluated model accuracy using RMSE and MAE; deployed via Flask.

- Tools: Python, Scikit-learn, Flask.

Technical Skills

- **Programming Languages:** Python, R, SQL

- **Tools & Technologies:** MS Excel, Scikit-learn, TensorFlow, Keras, Flask, React.js, SQLAlchemy

- **Other Skills:** Machine Learning, Data Analysis, Web Development, Data Structures & Algorithms

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Achievements

- **Captain** of the college cricket team, leading the team to victory in the inter-university tournament, 2021.

- **Bronze Medalist** in 1600m running at the state level, 2018.

Positions of Responsibility

- **Sports Captain** at Wategaon High School, 2018-2019

Extra-Curricular Activities

- Passionate about playing cricket, reading books, traveling to new places, and coding.

Languages Known

- English, Hindi, Marathi