MANDAR SATPUTE
DATA SCIENTIST

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PROFESSIONAL SUMMARY

Computer Science graduate with practical experience in data science through internship-based projects. Proficient in data preprocessing, EDA, and implementing machine learning models using Python. Built a Spam Email Detection System, demonstrating skills in model development, evaluation, and real-world problem solving. Strong foundation in algorithms and a keen interest in turning data into actionable insights.

CORE COMPETENCIES

- Data Analysis & Interpretation
- Data Manipulation
- Communication
- Problem Solving
- Data Visualization
- Collaboration & Teamwork
- Analytical Reasoning
- Critical Thinking
- Self-Motivated

WORK EXPERIENCE

Externsclub Pvt Ltd.   **Oct 2023 - Nov 2023**

Data Science Intern   **Remote**

- Performed data preprocessing and cleaning using Pandas and NumPy to prepare datasets for analysis and modeling.
- Conducted exploratory data analysis (EDA) to uncover trends, patterns, and insights using visualization tools like Matplotlib and Seaborn.
- Implemented both supervised (e.g., logistic regression, decision trees) and unsupervised (e.g., k-means clustering) machine learning algorithms to derive predictions and classifications.
- Developed a Spam Email Detection System using Python and Scikit-learn, involving data preprocessing, feature extraction (TF-IDF), model building, and validation.
- Applied real-world data science principles to solve business problems and gained hands-on experience in the end-to-end machine learning pipeline.

PROJECTS

Externsclub Pvt Ltd.
Spam Email Detection System:

- A virtual system designed to proactively detect incoming spam emails.
- Developed using Python and data analytics techniques, the system classifies emails as spam or ham based on supervised machine learning and natural language processing.

College Projects
Library Management System:

- An online platform that enables users to search, borrow, and manage books efficiently.
- Designed to reduce issues related to book unavailability and streamline library operations through a user-friendly digital interface.

Face Recognition Attendance System:

- An automated solution for streamlining attendance tracking using facial recognition technology.
- Designed for educational institutions and organizational environments to enhance accuracy, reduce manual errors, and save time.

CERTIFICATIONS

- Python Programming - MSME TDC
- Core Java Programming - CAD-DESK
- Python Essentials 2 - Cisco Networking Academy
- Microsoft Azure DP-900 (Pursuing)
- IBM Data Science Professional Certificate (Pursuing)

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, Java
- **Libraries & Frameworks:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn
- **Machine Learning:** Supervised & Unsupervised Learning, Model Evaluation (Accuracy, Precision, Recall, F1-score)
- **Data Visualization:** Matplotlib, Seaborn, Power BI / Tableau
- **Statistical Concepts:** Hypothesis Testing, Probability Distributions, Correlation, Regression Analysis
- **Tools & Platforms:** Jupyter Notebook, Google Colab, GitHub, MS Excel
- **Database Management:** PostgreSQL (Joins, Aggregations, Subqueries)
- **Cloud & Deployment:** Microsoft Azure, AWS

EDUCATION

Bachelor of Engineering in Computer Science   **Dec 2021 - June 2025**
Prof. Ram Meghe College Of Engineering and Management,   **Amravati, Maharashtra**
Amravati University

Maharashtra State HSC, Amravati Division   **June 2020 - May 2021**
Bharat Junior College   **Buldana, Maharashtra**

ACHEIVEMENTS & ACTIVITIES

Published Research Paper at IEEE Conference (April 2025):

- Enhancing Accessibility: A Real-Time Mobile Application for Visual Narration and Text Recognition for Visually Impaired" – Focused on developing an assistive mobile application using real-time image processing, text recognition, and voice-based feedback to aid visually impaired users.