Somesh Rajendra Bhandarkar

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PROFESSIONAL GOALS

To harness my expertise in statistical analysis, machine learning, and programming to develop predictive models and data-driven solutions that solve complex business challenges and drive innovation. My goal is to continuously enhance my technical skills and develop strong teamwork skills that will future proof my goals.

EDUCATION

Master of Science – Data Science - University at Buffalo **2024**
Coursework: Database, Statistical Data Mining, Numerical Mathematics
Bachelor of Technology – Computer Engineering – Vishwakarma Institute of Information Tech. **2021**
Coursework: Data Science, Machine Learning, Databases, Data Structures & Algorithms *CGPA – 9.56/10*

SKILLS & TOOLS

Programming Languages: C++, Python.
Databases: MySQL, MongoDB.
Tools: GitHub, Jupyter Notebook, Visual Studio Code.
Data Science and Analytics: MATLAB, Data analysis and visualization, Machine learning model development, Statistical analysis, Data cleaning and preprocessing, SQL for data manipulation, and use of libraries such as Pandas, NumPy, Scikit-learn, Seaborn, Matplotlib and TensorFlow.
Soft Skills: Communication, Teamwork, Problem Solving.

PROFESSIONAL EXPERIENCE

SKILLSCAPITAL, INDIA | Data Analyst Intern

- Gathered, Cleaned and maintained datasets from various sources to ensure consistency in the data. Performed analysis using statistical methods and tools to identify patterns and correlations.
- Designed visualizations to present data findings to the stakeholders.
- Worked closely with other teams to understand the data and provide relevant insights.
- Documenting the processes, methodologies, and findings for future reference and to support decision making. Provided routine and complex data mining services for employees and management

AICTE, INDIA | AWS Data Engineering virtual Internship

- Hands on practice with tools and strategies to collect, store, prepare and visualize data for use in data analytics.
- Worked with datasets, understanding best practices for handling and processing data in a cloud environment. Assessed problem-solving skills by troubleshooting and optimizing data.
- Demonstrated a strong commitment to continuous learning by completing a structured virtual internship.

ACADEMIC PROJECTS

DUPLICATE QUESTION PAIRS: Python, NLP, Machine Learning, Streamlit

- Spearheaded the development of a duplicate question analyzer for Kaggle competition utilizing Quora's dataset, achieving an 82% accuracy rate through targeted data transformation techniques that streamlined search engine optimization efforts.
- Implemented Random Forest classification and Xgboost algorithms for model building
- Performed principal component analysis (PCA) to decrease the model training time by at least 15-20%, helping us to achieve better accuracy

DROWSINESS DETECTION: Python, Deep Learning, Jupyter, Pytorch

- Implemented drowsiness detection for college laboratories to detect students not performing their programming tasks
- Used YOLO v4 object detection algorithm for face detection
- 92% accuracy achieved using mAP (mean average precision)

CERTIFICATIONS

- Supervised Machine Learning - DeepLearning.AI
- What is Data Science? - IBM
- Tools for Data Science - IBM
- Cloud Foundations - AWS Academy
- Data Engineering - AWS Academy
- Programming for everybody (Python) - University of Michigan