Shreyas Shende

(862-409-0975) | shreyasshende222@gmail.com | linkedin.com/in/shreyas-shende | github.com/ShreyasShende3

SUMMARY

Outcome driven Computer Science Master's student with a strong focus on Backend Development and Data Science/ML. Passionate about learning new technologies and tackling unique projects to develop innovative solutions.

EDUCATION

- **New Jersey Institute of Technology** — NJ,USA
  Master of Science in Computer Science - Current GPA : 3.9/4.0 — *Sept. 2023 – 2025*
- **Savitribai Phule Pune University** — Maharashtra, India
  Bachelor of Engineering in Computer Science - GPA : 9.16/10 — *Aug. 2019 – June 2023*

SKILLS SUMMARY

- **Languages**: Python, C/C++, JavaScript
- **Web Development**: Flask, ReactJS, NodeJS, HTML5, CSS3, Bootstrap
- **Database & Tools**: MySQL, SQLite, MongoDB, Git, PowerBI, Selenium, KNIME
- **Libraries**: PyTorch,Tensorflow, PySpark, Pandas, NumPy,CV2,Scikit-Learn, Spacy
- **Cloud Technologies**: AWS(EC2, Lambda, DynamoDB, Amplify, API Gateway, SNS), Oracle EPM

EXPERIENCE

- **Vendorpass** — NJ,USA
  Business Analyst — *May 2024 – Present*
  - Working for a major client in the financial services industry as their Business Analyst. Automated ARCS Data Management Mapping with Python, reducing manual effort by 80% and minimizing human errors.
  - Developed REST APIs for Oracle IDCS and EPM, improving audit report access and password policy compliance by 50%.
  - Managed deployment processes and CRON job scheduling, increasing efficiency by 30%, and developed disaster recovery plans to ensure rapid recovery and business continuity.
- **Thyssenkrupp Technology Center Analytics and Software Engineering** — Pune,India
  Machine Learning Intern — *Jan 2022 – April 2022*
  - Implemented an OCR-based Dimension Recognition system using Tesseract, Keras-OCR, and Google Vision, achieving 90% accuracy with Google Vision.
  - Conducted a comparative assessment of OCR methodologies, highlighting Google Vision's superior performance and cost limitations, leading to the advocacy for a cost-effective solution.
  - Developed a Flask-based application to demonstrate OCR functionality, enhancing demonstration efficiency by 40%.

PROJECTS

- **StockWatch: Real-Time Stock Tracking Tool**: Developed a comprehensive stock monitoring tool utilizing React and Material-UI for the frontend, and AWS services including Amplify, Lambda, DynamoDB, and SNS for backend functionality. The application enables users to track real-time stock prices, manage preferences, and receive notifications. This project showcases seamless integration and real-time data handling capabilities. (Aug'24)
- **NFL Management System (ReactJS, ExpressJS, MySQL)**: Developed a full-stack project using ReactJS for the frontend and ExpressJS for the backend. Implemented web scraping with BeautifulSoup4 in Python to gather comprehensive NFL data for three seasons (2021-2023), including players, coaches, teams, finances, and stats. Stored the data in a MySQL database and seamlessly displayed it on the frontend using ReactJS.(Dec'23)
- **Economic Indicators - GDP Prediction & Analysis**: Conducted thorough analysis of global economic indicators, including data cleaning and visualization.Implemented time series forecasting using SARIMA, focusing on GDP by Population for the top 10 countries.Utilized regression models (Linear, SVR, Random Forest) to predict GDP by Population, with Random Forest outperforming others.(Oct'23)
- **Mapping Of An Indoor Environment - Final Year Project Under DRDO(Defense Research and Development Pune)**: Developed a real-time SLAM algorithm in Python for 3D mapping and localization using Pangolin and g2opy. Tested the algorithm on various video datasets, ensuring robustness and accuracy.Implemented dynamic 3D map visualization, illustrating incremental updates for each frame.(May'23)
- **Classroom Attendance System with Face Recognition**: Developed a Face Detection Application for automating classroom attendance management during COVID-19. The system identifies students and records attendance in an Excel sheet based on input photos. (Aug'21)

CERTIFICATIONS AND PUBLICATIONS

- AWS Certified Cloud Practitioner (CLF-C02)
- Oracle Cloud Infrastructure 2024 Generative AI Certified Professional
- A Comprehensive Study on Simultaneous Localization and Mapping (SLAM): Types, Challenges, and Applications (ICSCSS 2023) (IEEE)