Himaswin Polaboyena

647-896-7820 himaswinpolaboyena@gmail.com Himaswin Polaboyena Himaswin

Education

University of Windsor **Sep. 2021 – April 2025**

Bachelor of Science, Honours in Computer Science

- **Relevant Coursework:** Data Structures, Software Methodology, Algorithms Analysis, Database Management, Artificial Intelligence, Systems Programming, Computer Architecture

Experience

Glendor Inc **Jan 2025 – Present**

AI Intern *Draper, Utah, USA*

- Collected and preprocessed brain MRI data, implementing image anonymization techniques using open-source de-facers (e.g., FSL_deface, MRI_deface, Pydeface).
- Utilized and integrated open-source biomarker extractors (e.g., FSL) to extract relevant brain biomarkers for analysis.
- Developed a framework for defacing and biomarker extraction, conducting before-and-after comparisons to evaluate the effectiveness of anonymization methods.

Outlier **Jan 2025 – Present**

Generative AI Trainer *Remote*

- Evaluated AI-generated content to improve accuracy, relevance, and clarity by reducing errors in natural language processing.
- Ranked and rewrote responses to enhance readability, accuracy, and user engagement.
- Monitored AI performance, optimized prompts, and refined outputs to maintain high-quality results.

Central Transport(Part-time) **Feb 2022 – Present**

Data Entry Clerk *Windsor, ON, Canada*

- Accurately entered data into company systems and databases while maintaining productivity targets of billing more than 36 bills per hour.
- Strived to achieve an error rate below 3%, emphasizing accuracy and attention to detail in all tasks.
- Demonstrated strong typing skills and the ability to work independently to meet deadlines and maintain data integrity.

Projects

AI-Driven Stock Market Prediction System | *Python, TensorFlow, Yahoo Finance API, Pandas, Matplotlib* | (GitHub)

- Built a machine learning model to predict stock market trends using historical data, news, and financial indicators.
- Utilized time-series forecasting and deep learning techniques in TensorFlow/Keras for trend prediction and analysis.
- Employed Yahoo Finance API for data retrieval and used Pandas and Matplotlib for data processing and visualization.

AI Grading Assistant | *ReactJS, Django, MongoDB, OpenAI GPT-4-turbo* | (GitHub)

- Developed a full-stack application using ReactJS, Django, and MongoDB, integrating OpenAI's 'GPT-4-turbo' API to automate grading and provide personalized feedback.
- Implemented student ID-based data storage with seamless frontend-backend communication, ensuring robust and secure data handling.
- Focused on building a responsive, scalable platform with dynamic state management and user-friendly design to enhance accessibility and efficiency.

Doctor-Patient Simulation Model | *Mesa, Python, A* Search, NumPy, Pandas, Seaborn* | (GitHub)

- Developed an agent-based simulation using Mesa to model doctor-patient interactions, incorporating health states and Time-To-Live (TTL) metrics to prioritize critical patients based on injury severity.
- Implemented the A* search algorithm with Heapq for optimized pathfinding and efficient navigation, enabling doctors to locate and treat patients effectively.
- Leveraged NumPy, Pandas, and Seaborn for real-time data manipulation, analysis, and visualization to evaluate system performance and doctor efficiency.

Technical Skills

Languages: Python, Java, C, JavaScript, HTML, CSS, SQL, Flutter
Frameworks & Databases: React.js, Selenium, Django, Docker, Kubernetes, OpenShift, NumPy, Matplotlib, Sci-kit Learn, OpenCV, Firebase, MongoDB, PostgreSQL, Node.js
Developer Tools: VS Code, Eclipse, Google Cloud Platform, Android Studio
Technologies/Frameworks: Linux, Jenkins, GitHub, JUnit, WordPress