MOHAMMED MASOOD AHMED

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VISA STATUS: Stamp1G

PROFESSIONAL PROFILE:

Recent Master's graduate in Software Design with Artificial Intelligence, passionate about building scalable software and intelligent systems. Proficient in object-oriented programming, distributed systems, and modern machine learning techniques. Demonstrated ability to design cloud-native applications, develop RESTful APIs, and integrate AI models into real-time user-facing solutions. Experienced in Agile environments, cross-functional collaboration, and version control workflows using Git. Currently gaining real-world experience through a data science internship focused on full-cycle ML model development and deployment.

EDUCATION:

Master of Science in Software Design with Artificial Intelligence
Technological University of the Shannon: Midlands Midwest (AIT)
Sep 2023 – Aug **2024**

Bachelor of Technology in Computer Science Engineering
Bharath University, Chennai, India.
Jul 2019 – Jun 2023

PROFESSIONAL EXPERIENCE:

Data Science Intern
Oeson Private Limited – Remote
March 2025 – Present

- Designed and deployed machine learning models integrated with automated data pipelines using Python (Scikit-learn, Pandas, NumPy), contributing to scalable and modular production systems.
- Built and exposed RESTful APIs for model inference, integrating with a Streamlit-based UI for real-time predictions, demonstrating cloud-native software delivery practices.
- Collaborated with cross-functional teams during Agile sprints to plan, execute, and iterate on features; used tools like JIRA for sprint management and maintained code quality with Git and documentation in Confluence.

PROFESSIONAL SKILLS:

- **Programming Languages:** C/C++, Java, JavaScript, Python
- **Web Development:** CSS, HTML, React, Tailwind CSS
- **Software Engineering:** Agile Methodologies, CI/CD, Microservices, RESTful APIs, SDLC
- **AI & Machine Learning**: Generative AI, Large Language Models (LLMs), Transformers (BERT, T5), Deep Learning, Scikit-learn, NLP
- **Cloud & DevOps:** IBM Cloud, AWS, Microsoft Azure, Docker, Kubernetes, GitHub Actions, Jenkins
- **Database Management:** MSSQL 2022
- **Data Visualization**: Matplotlib, RStudio, Seaborn
- **Tools & Environments:** Git, JIRA, Spring Boot, IntelliJ, VS Code

CAREER OBJECTIVE:

Motivated MSc graduate in Software Design with AI, eager to contribute to innovative, data-driven solutions. Skilled in Python, NLP, and full-stack development, with hands-on experience in agile environments. Seeking opportunities to build intelligent systems that drive impact and innovation while continuously expanding technical expertise.

PROJECTS:

- **AI-Based Clinical Decision Support: Migraine Type Predictor**
  - Built a clinical decision-support tool that classifies migraine types based on patient-reported symptoms, enabling early diagnosis and personalized treatment recommendations through supervised machine learning.
  - Conducted EDA, applied SMOTE for class imbalance, and trained an XGBoost model with 96% F1-score
  - Live App: https://migrainepredictor0808.streamlit.app/
- **SentiMeter: AI-Powered Sentiment Analysis Dashboard**
  - Built a full-stack sentiment analysis dashboard using Next.js (TypeScript), Tailwind CSS, and Flask (Python) with NLTK, showcasing end-to-end AI-driven application development.
  - Designed a RESTful API backend to process input text and extract sentiment scores and keywords using NLP techniques.
  - Live App: https://masoodsentimeter.netlify.app/
- **From Pixels to Fashion: AI-Driven Virtual Try-On system for Clothing**
  - Developed a virtual try-on system enabling users to visualize clothing using advanced computer vision techniques, including pose estimation and garment segmentation.
  - Applied deep learning frameworks for pose estimation and garment segmentation, resulting in a more lifelike and personalized virtual fitting experience.
- **Smart Extract: Intelligent Information retrieval from Machinery Manuals via Optical Character Recognition and Natural language processing techniques**
  - Developed a robust system for extracting structured data from unstructured machinery manuals using OCR and Named Entity Recognition (NER).
  - Utilized Hugging Face Transformers (BERT, T5) for improved accuracy in data extraction, leading to a 25% improvement in processing speed.

CERTIFICATIONS:

- IBM AI Developer Professional Certificate
- Microsoft Azure Fundamentals (AZ-900)
- IBM Python for Data Science and AI Development
- SQL for Data Science - University of California
- IBM Introduction to HTML, CSS & JavaScript

AWARDS & RECOGNITION:

- **Best Team Player Award** – Recognized for exceptional collaboration and team contribution
- **Employee of the Year (Runner-Up)-** Acknowledged for consistent performance, professionalism, and dedication
- **Employee of the Month** – Radisson Blu Hotel, Athlone