Aishwarya Pramod Ponnamparambil

412-954-7610 | aishwarya.1999@gmail.com | https://www.linkedin.com/in/aishwarya-pramod

EDUCATION

Carnegie Mellon University, Heinz College, Pittsburgh, PA — August 2023 – December 2024
Master of Science in Information Systems Management
Relevant coursework: Python, Machine Learning, Statistics, Distributed Systems, Data Science, Accounting and Finance Analytics

PES University, Bangalore, India — August 2017 – November 2021
Bachelor of Technology—Computer Science and Engineering, Specialization: Data Science
Relevant courses: Data Structures, Design and Analysis of Algorithms, Machine Learning, Natural Language Processing, Python, Database Management System, Object Oriented Programming, Big Data, Cloud Computing, Operating System and Networks

PROFESSIONAL EXPERIENCE

DealMate, Pennsylvania, United States — July 2024 – August 2024
Data Scientist Intern
- Conducted in-depth research using machine learning techniques, resulting in a 20% improvement in decision-making.

Oracle, Bangalore, India — July 2021 – April 2023
Cloud Analyst – Software Engineer
- Developed and optimized SQL queries for Oracle ERP modules, improving data processing time by 20% across General Ledger, Account Payables, and Procurement.
- Spearheaded data engineering efforts using Oracle Integration Cloud (OIC), developing SQL data models and reports that boosted data processing efficiency by 40% in Oracle Fusion SaaS.
- Automated workflows using diverse adapters in Oracle Integration Cloud (OIC).
- Engaged in three successful projects for AT&T, DFW, and the Town of Hempstead.
- Converted data into actionable insights, enhancing decision-making with compelling narratives.
- Volunteered in a newsletter team and hosted 2 events, attracting 200+ attendees.

IOT PLUS Middle East LLC, Abu Dhabi, UAE — June 2019 – July 2019
Software Engineer Intern
- Completed training and acquired expertise in IoT Smart solutions for food safety, logistics, and facilities solutions.

SKILLS

Programming Languages: Python, C, C++, R, Java, HTML, CSS, SQL
Tools/Frameworks: Django, PyTorch, REST, Git, Flask, ReactJS, Jquery, Bootstrap, JavaFX, Docker, RabbitMQ, AWS, Pandas, Numpy, JSON, JavaScript, scikit-learn, Computer Vision
Data Science: Data Visualization, Exploratory Data Analysis, Statistical Analysis, Power BI, Hadoop, Jupyter, Postman, Tableau, Excel
Artificial Intelligence & Machine Learning: Natural Language Processing (NLP), Feature Engineering, Computer Vision, Big Data Technologies, Cloud Computing, AWS, Clustering, Supervised Learning, Unsupervised Learning, Random Forest, SVM
Database Management Systems: Oracle, MySQL, PostgreSQL
Soft Skills: Communication Skills, Practical, Team Collaboration, Innovation, Problem-Solving Skills

PROJECTS

HireHub – Job Search Platform - [Github]
- Developed a Python-based job search platform to assist international students with H1B visa job opportunities.
- Introduced user-friendly features and H1B visa filters, significantly enhancing job search efficiency and accessibility.

Stock Market Prediction - [Github]
- Devised a predictive framework utilizing a variety of machine learning models to forecast market trends.
- Offered trading strategies aimed at generating profits; LSTM resulted as the best fit with 90% accuracy.

Ride Share Application - [Github]
- Actively collaborated with the team to build a cloud-based backend service for a ride-pooling app using Flask RestfulAPI and SQLAlchemy, ensuring response status codes were handled properly; utilized a load balancer (AMQP and RabbitMQ broker).
- Implemented features such as - Fault-tolerant, scalable database-as-a-service, Docker SDK.

Hate Speech Detection - [Github]
- Applied bag of words and TF-IDF, trained 5 machine learning models and performed a comparative analysis.
- TF-IDF with logistic regression proved to be the best model with 89% accuracy and 84% recall.

Object Detection in Night Light Condition – (Ranked among the top three in the Intel Competition) [Github]
- Created an Object Detection model on Night Light Condition images by using Zero-DCE to enhance the image first, followed by passing it through an object detection model YOLOv3, both with PyTorch.