# 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.
- Created dashboards and visualizations for better understanding of the real-estate data.

**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.
- 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, MongoDB, Redis, Neo4j, Cassandra, NoSQL
**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.