

Professional Summary

Aspiring Data Scientist with hands-on experience in building classification, regression, and predictive models using Python, machine learning, and statistical techniques. Currently pursuing an M.Sc. in Data Science, with a background in system administration and automation. Skilled in translating data into actionable insights and passionate about solving real-world problems through data-driven decision-making.

Skills

Programming & Scripting:

Python, SQL, Shell Scripting, R (basic)

Data Manipulation & Analysis:

Pandas, NumPy, Data Cleaning, Feature Engineering

Machine Learning & Statistics:

Linear Regression, Logistic Regression, Decision Trees, Random Forest, Gradient Boosting (XGBoost, LightGBM), KNN, SVM, Clustering (K-Means, DBSCAN), Principal Component Analysis (PCA), Cross-Validation, Hyperparameter Tuning, Statistical Inference, Hypothesis Testing, ROC AUC

Data Visualization:

Matplotlib, Seaborn, Plotly

Databases:

MySQL

Tools & Platforms:

Jupyter Notebook, VS Code, Anaconda, Google Colab, Excel, Git

Soft Skills:

Problem Solving, Business Acumen, Communication, Team Collaboration, Agile Environment

Projects

Letter Recognition

Built a classification model to identify handwritten capital letters from pixel data. Trained on 14,000 samples using algorithms like Random Forest, SVM, and Logistic Regression. Achieved high classification accuracy across 26 letter classes.

GitHub: <https://github.com/ananduashok/Letter-Recognition>

Gallstone Prediction

Developed binary classification models to predict gallbladder stone diagnosis. Evaluated multiple models using ROC AUC and accuracy. Project focused on healthcare data modeling.

GitHub: <https://github.com/ananduashok/Gallstone-prediction>

House Price Prediction

Implemented multiple regression algorithms to predict house prices based on structured feature data. Compared models using RMSE and R^2 metrics.

GitHub: <https://github.com/ananduashok/House-Price-Prediction>

Experience

Production Service Systems Engineer 2 – Oracle Cerner, *Bengaluru, KARNATAKA* 10/2019 – Present

Maintaining mission-critical production environments ensuring 24/7 uptime. Automating monitoring and maintenance tasks using Python and Shell scripting. Analyzing system logs to detect anomalies and performance bottlenecks. Collaborated with cross-functional teams to resolve complex technical issues.

Linux System Engineer II – ViPoint Solutions, *Kochi, KERALA* 02/2018 – 06/2019

Managed production Linux servers and implemented Apache configurations. Automated routine tasks using Python and Shell scripting. Performed system hardening and conducted regular security audits.

System Administrator | Admin – Ahead Server Technologies, *Kochi, KERALA* 10/2016 – 11/2017

Maintained server infrastructure and performed regular backups. Implemented disaster recovery procedures. Provided Tier-2 support and documented system setups

Education

Kalasalingam Academy of Research and Education - CDOE – M.Sc., Data Science 2024 – 2025

Currently pursuing 3rd semester

Ilahia College of Engineering & Technology – B.Tech 2010 – 2014

CGPA: 6.79

Certifications

- IBM Data Science Professional Certificate (Coursera)
- Machine Learning & Data Science – Illinois Institute of Tech (via Entri Elevate)

Links

LinkedIn: <https://www.linkedin.com/in/anandu-ashok/>

Github: <https://github.com/ananduashok>

Kaggle: <https://www.kaggle.com/ananduashok>

Credly Badge URL: <https://www.credly.com/users/anandu-ashok/badges#credly>