PRATHAP B D

📞 +91 8722939366 ✉ prathap03.p@gmail.com 🔗 Linkedin 🌐 portfolio ◈ GitHub 📍 Bengaluru,Karnataka

CAREER SUMMARY

Proactive Machine Learning Engineer with proficiency in Python, TensorFlow and Scikit-learn, possessing practical experience in developing, optimizing and deploying models utilizing AWS and Streamlit. Dedicated to creating scalable and intelligent solutions powered by AI.

TECHNICAL SKILLS

- Programming & Python Ecosystem: Python (Pandas, NumPy, Matplotlib, Seaborn), Functions, OOPs, File & Exception Handling, List/Dict Comprehensions.
- Databases: MySQL (DDL, DML, DCL, TCL, Joins, Views, Functions), SQL Queries & Optimization.
- ML & NLP: Data Cleaning, Preprocessing, EDA, Feature Engineering, Model Building, Supervised & Unsupervised Learning, Deep Learning, Model Evaluation & Optimization, Statistical Analysis, Hypothesis Testing, Probability, Natural Language Processing.
- Cloud & DevOps: AWS (S3, EC2, IAM, Lambda, SageMaker), CI/CD Basics, Git/GitHub, Docker.
- Tools & BI: Power BI, Advanced Excel (Pivot Tables, VLOOKUP/XLOOKUP, INDEX-MATCH, Power Query, Conditional Formatting, Interactive Dashboards),HTML,CSS.
- Soft Skills: Problem Solving, Analytical Thinking, Decision Making, Communication, Teamwork.

EXPERIENCE

Data Science Intern – AIVariant, Bengaluru   (Sep 2024 – Jun 2025)
- Using Python, Scikit-learn and TensorFlow, end-to-end machine learning models were developed and implemented to enable data-driven business decisions.
- Carried out thorough feature engineering, data preprocessing, and model validation to guarantee scalable and reliable ML solutions.
- Designed interactive dashboards using Power BI and Matplotlib, boosting clarity and communication of model insights for stakeholders.

Data Analytics Trainee – MedTour Easy (Remote)   (Mar 2025)
- Python, Pandas, Excel and Matplotlib were used to clean, convert, and analyze healthcare datasets in order to produce insights that might be put to use.
- Produced analytical reports to aid with strategic planning and operational enhancements.
- Enhanced practical skills in analytics workflows, KPI reporting and dashboard building for business intelligence use cases.

PROJECTS

1) ECG Image–Based Cardiac Risk Screening Tool   **Link**
- Built a CNN-based ECG image classification system to identify cardiac pattern categories from ECG report images.
- Designed an end-to-end pipeline with image preprocessing, model training, and confidence-based prediction logic.
- Applied safe medical screening principles by reporting risk-based ECG patterns instead of direct diagnosis.
- Developed a web-based interface to upload ECG images and display model predictions with confidence and risk interpretation for clinical screening use.

2) Employee Management Web Application   **Link**
- Built a Flask-based Employee Management System with role-based access control for admin and visitors.
- Implemented admin-only CRUD operations and read-only access for external users.
- Added visitor registration and activity logging, securely stored in the backend.
- Designed an interactive dashboard and deployed the application on the cloud.

3) Book Recommendation System (Collaborative Filtering – Python)   **Link**
- Built a book recommendation system using item-based collaborative filtering and cosine similarity.
- Performed EDA and feature engineering by filtering active users and popular books to improve recommendation quality.
- Developed an interactive Streamlit web application showing book images, titles, authors, and shareable recommendations.
- Deployed the end-to-end solution using GitHub and Render with a stable, production-ready setup.

EDUCATION

Dr.Ambedkar Institute of Technology, Bengaluru
Bachelor of Engineering (BE), Electronics & Telecommunication Dec 2020 – July 2024 | CGPA: 7.71

Science Academy PU College, Davanagere XII (PUC) | Mar 2019 – Mar 2020 | Score: 85%

CERTIFICATES

Data Science Course Completion Certificate — ExcelR Institute, Bangalore (2024)
Data Science Internship Certificate — Aivarient, Bangalore (09 sep 2024 - 11 june 2025)
Foundations: Data, Data, Everywhere — Google (Coursera) (2025)
Data Analytics Trainee — MedTour Easy (Mar 2025 – Apr 2025)