

ANANYA M

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SUMMARY

AI and Software Engineering Enthusiast with hands-on experience in developing and optimizing machine learning models. Driven to leverage deep technological foundations to solve complex engineering problems and create innovative solutions in dynamic, fast-paced environments. Multi-disciplinary and versatile, with an aptitude for quickly learning and applying new technologies to deliver innovative solutions.

SKILLS

Programming Languages: C, C++, Python
Libraries, Tools, Packages: NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow, Keras, OpenCV, Excel
Platforms: Jupyter Notebook, Google Colab, MySQL, GitHub, Visual studio code
Machine learning: SVM, Decision Tree, Multinomial Naive Bayes, Random Forest, Logistic Regression
Database Management: SQL Queries, MySQL
Soft Skills: Teamwork, Communication, Problem-Solving, Leadership, Agile Methodologies

EDUCATION

JSS Academy of Technical Education Bangalore, Karnataka, India
Bachelor of Engineering (B.E) 2022 - 2026
Computer Science and Engineering (Artificial Intelligence and Machine Learning)
CGPA: 8.88

WORK EXPERIENCE

Codsoft Remote
Python Intern Dec -2023

- Successfully participated in a 4-week comprehensive internship program.
- Developed a strong foundation in Python programming by mastering the essential concepts.
- Projects : TO-DO LIST , SIMPLE CALCULATOR , PASSWORD GENERATOR

PROJECTS

Credit Card Fraud Detection [Python, Machine Learning , Logistic Regression , LightGBM , Xgboost , Catboost, Deep Learning]

Developed a fraud detection system for banking transactions using advanced machine learning models with model optimization, hyperparameter tuning, and deep learning.. Implemented Bayesian optimization and deep learning for hyperparameter tuning to address unbalanced data. Achieved high performance with metrics such as ROC-AUC of 0.94, precision of 0.80, recall of 0.82, and F1 score of 0.81.

Comparing Different Supervised Machine Learning Accuracy on Analyzing COVID-19 Data using ANOVA Test [Python, SVM , DT , NN, ANOVA]

In this project, support vector machine, decision tree, and neural network classifiers have been built for COVID-19 dataset and the accuracies among those classifiers have been analyzed by ANOVA test.

NotifyNPick – Parcel Identification and Notification System [Python, OpenCV, OCR]

Developing a web application to streamline parcel delivery using a unique ID system and QR codes, improving delivery efficiency for a US-based company - **VILLAGE MAIL MORE**. Implemented a camera-based image extraction system to identify parcels and send real-time notifications to customers. The system generates a ticket with parcel and customer information, enabling secure retrieval through barcode scanning during pickup, followed by confirmation emails. Enhanced customer convenience by addressing challenges of unattended deliveries..

KEY ACHIEVEMENTS

JSS Summer of Code'24 : Runner up GeeksforGeeks
Team Leader | 24-Hour Innovation Challenge | Team Name: Fabulous Four July 2024

- Developed an AI-driven system for real-time fraud detection under the finance theme, designed to identify and mitigate fraudulent transactions with high accuracy.

Myntra HackerRamp WeForShe 2024 : Ideation Phase Myntra
Hackathon Participant | Team Name: Scripting Kiddies | Team Leader July 2024

- Successfully made it to the Implementation Phase of the Myntra HackerRamp: WeForShe 2024.

CERTIFICATIONS

Python for Data Science [IBM]	Feb 2024
Introduction to Data Science [Cisco]	Apr 2024
Introduction to Data Science [Infosys]	Apr 2024
Introduction to Machine Learning[Infosys]	Apr 2024
Introduction to Artificial Intelligence [Infosys]	Apr 2024
Introduction to Natural Language Processing [Infosys]	Apr 2024
Introduction to Deep Learning [Infosys]	Apr 2024
Computer Vision 101[Infosys]	Apr 2024
Artificial Intelligence Primer Certification[Infosys]	May 2024
Introduction to Generative AI[Infosys]	Aug 2024