MOHAMED AADIL A

Portfolio | LinkedIn
mohamedaadila23ads@srishakthi.ac.in | 9025825087 | Dindigul, Tamil Nadu

EDUCATION

SRI SHAKTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
B.Tech in AIDS (2023-2027)
Coimbatore
Cum. GPA: 8.5/ 10

H.N.U.P.R MATRIC HIGHER SECONDARY SCHOOL
Nilakkottai,Dindigul

LINKS

Github:// **AADIL20052911**
LinkedIn:// **Aadil Vasheer**

SKILLS

PROGRAMMING
Python • MySQL • HTML • CSS • Bootstrap • JavaScript • APIs • Git
LIBRARIES
Pandas • Numpy • Scikit-learn • Matplotlib • OpenCV • TensorFlow • PyTorch
FRAMEWORKS
Django • Flask • ReactJS

COURSEWORK

UNDERGRADUATE
Data Structures and Algorithms
Object-Oriented Programming
Database Management Systems
Operating Systems
Computer Networks
Artificial Intelligence
Machine Learning
Data Science

CODING PROFILE

Solved 100+ challenges, enhancing proficiency in Python, algorithms, and data structures.
LeetCode:// **Aadil Vasheer**
GeeksForGeeks:// **Aadil Vasheer**

LANGUAGES

Tamil
English
Hindi
Spanish
Arabic
Urdu

PROJECTS

MEDICAL INSURANCE PRICE PREDICTION
Link Oct 2024 – Nov 2024

- Developed a machine learning model using Random Forest Regressor to predict medical insurance costs Accuracy by 90
- Built a Flask-based web application for user-friendly cost estimation.
- Preprocessed healthcare-related data, performed feature engineering, and optimized the model for better accuracy.
- **Tech Stack:** Python, Flask, Machine Learning, Random Forest, Pandas, NumPy, Scikit-Learn.

FOOD ORDERING WEBSITE
Link Jan 2024 - May 2024

- Developed a dynamic food ordering website to streamline online food purchases.
- Implemented a Flask-based backend with a structured MySQL database for efficient order management.
- Designed an intuitive user interface using HTML, CSS, and JavaScript, ensuring a smooth user experience. Integrated features like real-time order tracking, cart management, and secure payment handling.
- **Tech Stack:** HTML, CSS, JavaScript, Python, Flask, SQLite

REAL ESTATE HOME PRICE PREDICTION
Link Jan 2025 - Feb 2025

- Developed a machine learning model using Linear Regression to predict real estate home prices.
- Built a Flask-based web application for users to input property details and get instant price estimates.
- Preprocessed real estate data, performed feature selection, and optimized the model for accuracy of 95
- Enhanced user experience by providing real-time price predictions based on key property factors.
- **Tech Stack:** Python, Flask, Machine Learning, Linear Regression, Pandas, NumPy, Scikit-Learn.

ACHIEVEMENTS

Winner of the District-Level Technical Quiz Competition, showcasing strong problem-solving and technical knowledge in Python and DSA.

RESEARCH

Robotics Team Member:Contributed to the college robotics team by researching and developing an autonomous tractor and robotic systems aimed at agricultural automation. Focused on designing autonomous navigation systems for tractors, utilizing sensors and AI algorithms to enhance efficiency and precision in agricultural tasks