

HUDSON MATHEW J

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OBJECTIVE

Aspiring Python and Django developer with a strong foundation in web development and software engineering. Passionate about building scalable, user-friendly web applications and solving real-world problems through clean code and efficient design. Dedicated to continuous learning, improving technical skills, and contributing to impactful software projects.

SKILLS

- Python
- Django
- SQL
- Web Development
- UI/UX Design
- Graphic design

INTERNSHIP

Postulate Pvt. Ltd | Full stack developer

- Worked on web development using HTML, CSS, JavaScript, Python.
- Performed CRUD operations and integrated database queries.
- Gained hands-on experience in frontend and backend development

PROJECT

RetroXperience

Built a retro-themed movie experience platform using Python & Django with SQLite. Designed models for Movies, Reviews, and Ratings with relational data via ForeignKey and automatic timestamps using timezone. Implemented browsing, filtering, searching, and rating features leveraging django.db ORM and django.utils. Utilized Django Admin, authentication, and middleware for content management and user handling.

EpicOutlet

Developed a browsing and online shopping platform using Python & Django with SQLite (switchable to PostgreSQL/MySQL). Built custom Django models with relational data modeling using ForeignKey and ManyToManyField, including automatic timestamps via timezone utilities. Leveraged django.db ORM, django.utils, os, and sys for database operations and system tasks. Integrated Django Admin, authentication, and middleware for content management and secure user handling.

Spaceship Titanic

Built and deployed a machine learning pipeline using pandas and NumPy for data handling, with visualization via matplotlib and seaborn. Performed feature engineering including missing value imputation and categorical encoding (cabin splitting, one-hot). Trained and tuned multiple models — RandomForest, LogisticRegression, KNN, DecisionTree, AdaBoost, XGB, LGBM, CatBoost, and DNN (TensorFlow/Keras) — and combined them using weighted average ensemble for higher accuracy. Exported final predictions to CSV using scikit-learn, xgboost, lightgbm, catboost, and TensorFlow/Keras.

CERTIFICATE

- Code with Mosh – Python Programming Certificate
- Oracle Cloud Infrastructure Foundations 2023

ACHIEVEMENT

- Attended International Seminar on Human-Machine Teams (27-02-2025).
- Presented "Spaceship Titanic using Machine Learning" at ICTMECS-2025 & ICCAIS-2025 (08-09-03-2025).

EDUCATION

BCA (62%)

Don Bosco college of arts & science, Keela eral, Tuticorin

2022-2025

HSC (67.5%)

Karapettai Nadar Boys Higher Secondary School, Tuticorin

2020-2022

SSLC (59%)

D.M.N.S. Dr. Sivanthi Adithanar Matriculation School, Tuticorin

2019-2020