

MUHAMMED FADHIL

Full-Stack Web Developer | Python/Django

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📍 Thrissur, Kerala, India

PROFILE

Motivated Computer Science student with hands-on experience in full-stack web development using Python/Django, HTML5, and CSS3. Proven ability to build and deploy customer-facing applications and manage web infrastructure (VPS, Nginx, Cloudflare). Completed an internship in Data Science and Machine Learning, performing predictive modeling and data analysis on real-world datasets. Seeking an opportunity to apply technical and analytical skills in a growth-oriented organization.

EDUCATION

B.Tech in Computer Science with Business Systems 2023 – 2027

JCT College of Engineering and Technology, Anna University

Higher Secondary Certificate - Electronic Science 2021 – 2023

St. Aloysius Higher Secondary School, Elthuruth

Grade: 90%

Secondary School Leaving Certificate (SSLC) 2021

Lourde Matha EMHSS, Cherpu

Grade: 95%

TECHNICAL SKILLS

Languages & Frameworks: Python (Django), HTML5, CSS3, JavaScript

Web Development & Infrastructure: Full-stack development, RESTful workflows, Nginx, VPS Hosting, Database Management

Data Science & ML: Predictive modeling, Data analysis, Machine Learning fundamentals

DevOps & Tools: Git, Cloudflare, Version Control

SOFT SKILLS

Team management, Communication, Negotiation, Adaptability, Problem Solving

INTERNSHIP EXPERIENCE

Cyborg AI Gen Automation

Data Science & Machine Learning Intern

- Implemented predictive modeling techniques on real-world datasets to derive actionable insights.
- Performed comprehensive data analysis using Machine Learning algorithms, strengthening skills in model evaluation and data preprocessing.
- Gained hands-on experience with end-to-end ML workflows from data collection to model deployment.

PROJECTS

Global Drug Interaction & Side Effect Tracking System (Pharma Project)

Django, Tesseract.js, openFDA APIs, Frontend Web Technologies

- Developed a production-ready platform for Pharm.D professionals with a decoupled architecture, employing a Django backend and a browser-based frontend for private, local OCR prescription scanning.
- Engineered a timeline-based analysis engine and a dynamic matrix to detect metabolic overlaps and map interactions using custom clinical modifiers (age, gender, health conditions).
- Implemented a hybrid data strategy utilizing external openFDA APIs for global generic ingredient lookups, alongside manual clinical overrides for high-risk combinations.

Alternative Credit Scoring (ACS) via Federated Edge-ML (FinEdge)

Python, Django, PostgreSQL, XGBoost Machine Learning

- Processed alternative data locally on smartphones to provide credit scores to credit-invisible individuals.
- Ensured data privacy and regulatory compliance using Zero-Knowledge architecture, RAM purging, and HMAC SHA-256 encryption.

Appointment Booking System - ShanuDigiCore

Python/Django, HTML5, CSS3, JavaScript

- Developed a customer-facing appointment booking platform, enabling users to schedule services remotely and eliminating the need for in-person visits.
- Designed a streamlined booking workflow that automated scheduling, reducing shop wait times and improving overall operational efficiency.

Portfolio Web Applications & Arcade Modules

Data Structures, State Logic, Physics Loops, Procedural Grids

- **Aether & Chroma:** Built an ambient atmospheric telemetry simulator (Aether) and an interactive mechanical keyboard customizer managing hardware state logic arrays (Chroma).
- **Arcade Games:** Developed "Typing Defender" (neon canvas shooter), "Gravity Golf" (orbital launch calculator), and "Cyber Striker" (vertical space shooter with weapon drops).
- **Glyph Matrix:** Created a digital sandbox image processing engine to deconstruct visual source materials into active dot-matrix or text arrays.

CERTIFICATIONS

- Certificate in Python-Django - Kerala State Rutronix

LANGUAGES

Malayalam (Native) | English (Proficient) | Hindi (Basic) | Tamil (Basic)