

Jobin J

Junior python developer | Marthandam, Nagercoil

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SUMMARY

Completed an intensive IT Career Program at Faith InfoTech Academy, specializing in Full Stack Python Development with Django and Angular. Skilled in building scalable web applications, RESTful APIs, and data-driven solutions. Proficient in Python, Django, FastAPI, MySQL, and React, with a strong foundation in data analysis and machine learning. Passionate about developing efficient applications, optimizing backend systems, and delivering impactful solutions to drive business growth.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, SQL, HTML/CSS

Frameworks: Django, Django REST Framework, FastAPI, React, Bootstrap

Databases: MySQL, Oracle

Data Science & ML: NumPy, Pandas, Matplotlib, A/B Testing, Machine Learning

Tools & IDEs: VS Code, PyCharm, Google Colab

EXPERIENCE

Python Full stack Developer Trainee

Jul '23 — Feb '24

Faith InfoTech Technopark (Trivandrum)

- Design, Develop, and maintain high-performance and scalable Web Applications with Python Django Framework. Implement data storage solutions using relational databases MySQL, Oracle and host in AWS RDS service.
- Develop and maintain RESTful APIs to communicate between different components of the web application
- Developing responsive frontend interface using HTML, CSS, JS, Bootstrap with Angular Framework.
- Clean, Analyze and Build Meaningful Insights from Data using Python Libraries NumPy, Pandas and Matplotlib.

Artificial Intelligence Intern

Feb '24 — Mar '24

Elsys Intelligent Devices PVT LTD

- Built a **real-time facial recognition microservice**, achieving 89%+ accuracy in detecting faces across 5000+ images using **FASTAPI, OpenCV, and YOLOv8**.
- Utilized YOLOv8 deep learning model integrated with OpenCV for accurate object detection, enhancing model performance through custom dataset training. Led project lifecycle from use case analysis to testing and presentation.

PROJECTS

Full Stack Web Application: Clinic Management System

Dec '23

- Developed an application for pharmacy billing, patient management, and medicine management.
- Utilized Angular for the front end, Django REST Framework for the back end, and MySQL for the database.
- Role: Handled UI design, server-side programming, database design, unit testing, integration testing, and presentation.

Full Stack Application: OTT Platform

Jan '24

- Developed an on-demand video streaming platform handling 1000+ users, implementing secure authentication and reducing buffering time by 20%.
- Used HTML, CSS, Bootstrap for the front end, Django MVT for the back end, and MySQL for the database.
- Directed the design of user interfaces for web applications, employing MVC architecture and ORM database strategies that streamlined data handling processes, enhancing overall application efficiency by 30% during testing phases.

Live Internship Project: Facial Recognition

Feb '24

- Created a microservice for facial recognition in images or videos using FASTAPI, YOLOv8, and OpenCV.
- Deployed the service using Docker, with development and testing done in PyCharm and Google Colab.
- Designed and validated the API, conducted unit and integration testing, and handled deployment.

E-commerce Web Application (In Progress)

Feb '25

- Built a full-fledged E-commerce platform using Django MVT, allowing users to browse products, add to cart, and place orders seamlessly.
- Integrated secure authentication, role-based access, and payment gateways (Stripe/PayPal) for a smooth checkout experience.
- Designed an admin dashboard for easy order tracking, inventory updates, and user management.
- Optimized database performance with Django ORM, ensuring a fast and scalable application.

CERTIFICATIONS

- IT Career Program**, Faith InfoTech Academy
- Internship in AI Face recognition**, Elsys lab

EDUCATION

Bachelor of Engineering in Electronics and Communication, Mar Ephraem college of engineering and technology (CGPA:8.01)

Apr '19 — May '23
Marthandam