THAMJID MANNARAYIL

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OBJECTIVE

AI Developer with 4 years of experience in Python, Django, and Flask, delivering scalable web applications and AI-driven solutions. Skilled in building intelligent systems for automation, data analysis, and business optimization, including applications in HR, travel, hospitality, education, and e-commerce. Strong expertise in clean architecture, microservices, and integrating AI/ML to enhance user experience and business outcomes. Passionate about creating impaction, data-driven technologies that drive innovation and efficiency.

EDUCATION

Bachelor of Technology, Royal College of Engineering and Technology — Aug 2016 – Mar 2020

12th, GHSS Maranchery Higher Secondary School — Jul 2014 – Mar 2016

10th, Crescent Maranchery High School — May 2013 – Mar 2014

SKILLS

Technical Skills	Python, SQL, Pandas, Azure/AWS, Redis/Celery/RabbitMQ, Websocket, GRPC, Docker, Git
Frameworks	Django, Flask, Fast API (Basics)
Soft Skills	Critical Thinking, Quick Learnee, Problem Solving, Adaptability, Time Management

EXPERIENCE

AI/ML Engineer — May 2025 – Present

Aqary Investment and Development, Abu Dhabi, United Arab Emirates

- Developed and maintained an AI-enhanced HRMS platform with Flask, featuring ATS resume screening and a chatbot for employee support.
- Created a subscription-based event service that enables external apps to receive real-time HRMS updates through webhooks.
- Integrated biometric devices and implemented event-driven processing to automate attendance tracking and validation.
- Built a WebSocket-powered notification system to promptly alert employees about daily swipe discrepancies.

Software Engineer — Mar 2023 – Mar 2025

Flycatch Infotech Pvt. Ltd., Kochi, Kerala

- Led backend development across multiple projects, owning system architecture, API design, and performance tuning to ensure scalable and efficient solutions.
- Delivered four fully customized, client-focused applications from scratch, ensuring on-time deployment and seamless integration into production.
- Collaborated with cross-functional teams and directly with clients to translate requirements into user-centric solutions, while mentoring junior developers and ensuring code quality.

Software Engineer Intern — Sep 2021 – Mar 2022

Quest Innovative Solutions, Kochi, Kerala

- Gained hands-on experience with Python, JavaScript, SQL, Django, Flask, and AngularJS.
- Contributed to live projects, bridging theoretical knowledge with real-world application.
- Completed certifications in multilanguage and framework development.

PROJECTS

Aqary CRM

- Engineered a scalable microservices-based real estate CRM platform to manage clients, leads, properties, and bookings with integrated automation and workflow orchestration.
- Implemented real-time communication using WebSockets and Flask-SocketIO, asynchronous task handling with Celery and Redis, and centralized API documentation with Swagger.
- Built core services including Admin Management, Booking Management, and Notification Management, ensuring secure inter-service communication and modular scalability.

Technologies: Python, Flask, Flask-SocketIO, Celery, Redis, MySQL, Swagger, Docker, Microservices Architecture

HRMS - Aqary

- Designed and developed real-time event subscription and notification services with Webhooks and WebSockets, enhancing system responsiveness and employee experience.
- Developed AI-powered HRMS platform integrating ATS resume screening, chatbot support, and biometric attendance automation using Flask and event-driven architecture.

Technologies: Python, Flask, Google Generative AI, AI Agents, PostgreSQL, Rabbitmq, Celery, Redis, Docker

Wearlay – wearlay.in

- Led backend development of a CRM & Inventory system using Django & DRF, automating lead workflows and optimizing warehouse management.
- Customized Django Admin with analytics for data-driven decision making.

Technologies: Python, Django, DRF, PostgreSQL, Celery, Redis, Docker

Explore World – exploreworld.com

- Spearheaded backend of a travel aggregator platform using microservices, integrating payment gateways and third-party APIs like Elasticsearch.
- Ensure a scalable architecture for smooth transactions and user experience.

Technologies: Python, Django, DRF, PostgreSQL, Elasticsearch, Celery, Redis, Docker

LMS & Registration System – **Al-Maarefa** – my.um.edu.sa

- Led backend of a role-based academic platform for students, instructors, and admins, including academic tracking, messaging, and payment management.
- Developed an online admission system, centralizing registration, document upload, and interview processes, improving efficiency for applicants and staff.

Technologies: Python, Django, DRF, PostgreSQL, Celery, Redis, Docker

Away2gether Website

- Solely developed backend of a hospitality site using Django, Django CMS, and PostgreSQL, optimizing user experience with interactive elements via AJAX and JavaScript.
- Ensured scalability and data integrity, setting the stage for future enhancements.

Technologies: Python, Django, CMS, PostgreSQL, HTML, CSS, JavaScript, AJAX, Docker

PASSIONS

Artificial Intelligence, Data Science, Data Analyst, DevOps, MLOps, Graphic Design, UI/UX, Robotics