

# THAMJID MANNARAYIL

+971 509154369 ◇ Abu Dhabi, United Arab Emirates

[thachuthamjid@gmail.com](mailto:thachuthamjid@gmail.com) ◇ [linkedin.com/in/thamjid-mannarayil](https://www.linkedin.com/in/thamjid-mannarayil)

## OBJECTIVE

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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 impactful, data-driven technologies that drive innovation and efficiency.

## EDUCATION

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<b>Bachelor of Technology</b> , Royal College of Engineering and Technology	Aug 2016 – Mar 2020
<b>12th</b> , GHSS Maranchery Higher Secondary School	Jul 2014 – Mar 2016
<b>10th</b> , Crescent Maranchery High School	May 2013 – Mar 2014

## SKILLS

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

## EXPERIENCE

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<b>AI/ML Engineer</b>	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.

<b>Software Engineer</b>	Mar 2022 – 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.

<b>Software Engineer Intern</b>	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

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### 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](https://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](https://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](https://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

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