

UWAIS MUHAMMED K P

Artificial Intelligence Engineer

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Malappuram, Kerala, India — 676102

PROFESSIONAL SUMMARY

AI Engineer with hands-on experience building **production-grade software** across **mobile, web, backend, and cloud**. Computer Science graduate with a strong foundation in **Python, Machine Learning, and Deep Learning**, now shipping **AI-driven personalization and recommendation workflows, real-time operational tooling, and large-scale notification infrastructure** on **Google Cloud Platform (GCP)** and **Firebase**. Experienced in delivering features end to end across **Flutter, React + TypeScript, REST APIs, and PostgreSQL**, with a focus on **healthcare and emergency-response systems**. Proven ability to translate business problems into secure, scalable engineering solutions.

CORE COMPETENCIES

- **Machine Learning, Deep Learning**, Data Analysis
- **Recommendation & Personalization Systems**, Rule-Based Eligibility Logic
- **LLM APIs, Prompt Engineering**
- **Healthcare AI**, Emergency-Response Platforms
- **Flutter** Mobile Development, Offline Sessions, Location Services
- **React, TypeScript**, Real-Time Operations Consoles
- **REST API Development, PostgreSQL**, Database Migrations
- **Google Cloud Platform, Firebase**, Notification Infrastructure
- **Automated Testing**, Integration Testing, Security Controls

PROFESSIONAL EXPERIENCE

AI Engineer, AI/ML Department

June 2026 – Present

CuraNova AI, Malappuram, Kerala, India

- Develop and enhance **AI-powered healthcare and emergency-response products** across mobile, web, backend, and cloud systems.
- Deliver features end to end across **Flutter** mobile, **React** and **TypeScript** web, backend services, and cloud infrastructure.
- Design backend validation, **database migrations, automated tests**, schema-integrity checks, audit records, and **security controls**.
- Investigate and resolve cross-service issues involving **authentication**, API contracts, offline sessions, cloud execution, and notification delivery.
- Work across **GCP, Firebase, REST APIs, PostgreSQL**, real-time systems, and notification infrastructure.

Data Science & AI Consultant Intern

July 2025 – March 2026

Rubix, Bengaluru, India

- Delivered **Proof of Concept (POC)** projects and client assignments applying **Machine Learning** and **Data Analysis** to real-world problems.
- Gained hands-on experience across **analytics, automation, and deployment** concepts while collaborating with project teams.

PROJECTS

CareFirst – Emergency Response Mobile Application

CuraNova AI

- Developed and integrated mobile features using **Flutter**, including **emergency workflows, offline authenticated sessions, scheduling, and location services**.
- Built a **four-step guided app tour** (SOS, Ambulance Pickup, Home Care, Doctor on Call) triggered on sign-in, with **multilingual copy** in English, Malayalam, and Arabic.
- Implemented **Google Places Autocomplete** for pickup-address entry with safety constraints on selectable locations.
- Improved the **scheduled ambulance pickup** flow with weekday-labelled date pills and a reworked day-of-week chip layout.
- Integrated **Firebase Cloud Messaging** push notifications and app onboarding flows.
- Resolved offline-session and authentication issues across the mobile-to-backend boundary.

- Designed **brand assets** for the driver app variant – layered SVG logo with beacon-glow styling, applied across six variants via a **Python** transform script.

- Technologies: **Flutter**, Dart, REST APIs, Firebase, Google Places API

CareAndCommandCentre (CCC) – Healthcare Operations Console

CuraNova AI

- Built and enhanced an **operations console** for healthcare operations and emergency-response management.
- Implemented **scheduled ambulance booking** covering booking management, ambulance and driver assignment, **real-time notifications**, **live tracking**, journey status, and activity history.
- Unified existing Cases, fleet, driver, booking, calling, and live-tracking workflows into a single operational experience.
- Built and shipped the **Banners admin module** using **Test-Driven Development** – 17 new files, **190 automated tests**, and a clean strict TypeScript build.
- Resolved **data-integrity bugs** including silent no-ops from nullable PATCH fields and a **UTC/IST timezone** conversion issue in scheduling inputs.
- Developed **home-care patient contact** features with field-preservation logic so partial API responses never overwrite caller contact details.
- Technologies: **React**, **TypeScript**, Vite, Zustand, Vitest, REST APIs

EDUCATION

B.Tech in Computer Science and Engineering

2021 – 2025

MES College of Engineering, Kuttippuram, Kerala, India

Relevant Coursework: Deep Learning, Machine Learning, Data Science, Research Methodology

Higher Secondary Education (Class 12)

2019 – 2021

Navamukunda Higher Secondary School, Thirunavaya, Kerala, India

TECHNICAL SKILLS

- Programming: **Python**, **TypeScript**, JavaScript (ES6+), **Dart**, SQL, C
- AI/ML: **TensorFlow**, **PyTorch**, Scikit-learn, Keras, NumPy, Pandas, LLM APIs, Prompt Engineering
- Frontend: **React 18**, TypeScript, Vite, Zustand, React Router, HTML5, CSS3
- Mobile: **Flutter**, Dart, Push Notifications, Location Services
- Backend & Databases: **REST APIs**, **PostgreSQL**, Database Migrations, Authentication, Audit Logging
- Cloud: **Google Cloud Platform (GCP)**, **Firebase**, Firebase Cloud Messaging, Cloud Scheduler
- Testing & Tools: Automated, Integration, API & Mutation Testing, **Git**, Azure DevOps, Power BI, Excel, Tableau

CERTIFICATIONS

- **Artificial Intelligence Expert** – IABAC (Credential ID: IAB1120180146) *Sep 2026*
- **Data Science Foundation** – IABAC (Credential ID: IAB1120180145) *Sep 2026*
- **Data Science & AI Consultant Internship** – Rubixe (Doc No: RX1779343071) *Mar 2026*