Mahamad Suhail

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Skills Summary

- **Languages:** React, React Native, NodeJs, Python
- **Tools/Platforms:** Android Studio, Google Collab, XCode
- **Soft Skills:** Leadership, Team Player, Communication
- **Cloud & DevOps:** AWS, S3, CloudFront, Amazon RDS, GCP

Professional Summary

Full-Stack Developer specializing in **AI-driven** applications and data-intensive platforms. Seeking a software developer role to apply experience in Python, React, and Generative AI to solve complex challenges in the real-world data space. Proven ability to build end-to-end solutions, from RAG and vector database-driven document analysis to secure, scalable cloud-native applications (AWS/GCP)

Experience

- **Pixen India Pvt Ltd.**   **August 2025 - October 2025**

  Mobile App Developer | OMW Platform
  - Developed and deployed production-ready React Native apps for Customer and Worker modules with real-time chat, GPS tracking, OTP verification, and Razorpay integration.
  - Optimized UI components using Zustand and Google Maps, improving response efficiency by 25%.
  - Implemented encrypted API key management and AWS S3 integration, ensuring data compliance and reliability.

  Full Stack Developer | OMW Platform   **May 2025 - July 2025**
  - Developed and deployed production-ready React Native apps for Customer and Worker modules with real-time chat, GPS tracking, OTP verification, and Razorpay integration.
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- **upGrad**   **January 2025- April 2025**

  Machine Learning Intern
  - Developed and integrated AI modules for a mental health platform, applying sentiment analysis and NLP-based models to user engagement
  - Partnered with ML engineers and frontend developers to successfully integrate and deploy these AI modules, translating development models into production-ready application features

Projects

- **Quarter Master - an AI Powered Storage Manager**   **September 2025 - OnGoing**
  https://6thtgsp.vercel.app/
  - Accounts and roles are created and seeded with core features implemented — receipt workflow, RBAC, file uploads, audit logging, and item catalog scaffolding.
  - IV (inventory voucher) creation and the **approval workflow** are being built so Super Admin can nominate a Semi-SuperAdmin to verify items, then Super Admin approves them and they appear in the item catalog.
  - Implement damaged-product returns/exchanges, automated inventory adjustments, enhanced admin/audit tools, and final QA/testing for production rollout to **Telangana Police**.

- **PRISM — Personal Voice Assistant**   **February 2025 - OnGoing**
  https://github.com/warpirate/PRISM-Voice-Assistant
  - Architected and implemented an agent-centric voice assistant that routes structured intents to autonomous domain agents (file, web, productivity, system control), reducing dependency on full LLM calls for routine tasks and enabling fast, reliable local actions. (Python, asyncio, agent design)
  - Integrated Google Gemini for NLU and Gemini Live for bidirectional real-time voice streaming (24 kHz), designed the ACTION extraction format for safe multi-step UI automation, and implemented LLM fallbacks and confidence thresholds for robust intent routing. (Google Gemini, prompt engineering, real-time audio)

- Built the full-stack system with an Electron glassmorphic UI, WebSocket bridge, Agent Registry/Coordinator, persistent SQLite memory, TTS/STT pipeline and Windows MCP automation (file search/open, downloads organization, app automation); implemented testing, safety checks, and modular plugin-ready agent architecture. (Electron, WebSocket, SQLite, pyttsx3, pytest)
- **TheNobleBeing - E-commerce Virtual Try-On Platform**   January 2025 - August 2025
  HTTPS://THENOBLEBEING.NETLIFY.APP/
  - Architected and developed a full-stack e-commerce platform using React 18 and JavaScript, featuring an innovative virtual try-on system that achieved 90% faster performance through optimized image processing and lightweight implementations.
  - Engineered a production-grade application with comprehensive features including secure authentication, payment processing (Razorpay), and a modular service architecture, while maintaining cross-browser compatibility and mobile responsiveness.
  - Implemented a scalable multi-service infrastructure integrating customer management, automated email communications, and a virtual try-on system, resulting in a seamless shopping experience combining traditional e-commerce with modern virtual clothing visualization.

Certifications

- Build Real World Websites using HTML & CSS **from E-Box**   July 2025
- JPMorgan Software Engineering Job Simulation on **Forage**   October 2025

Education

Lovely Professional University   Punjab, India
Bachelor of Technology - Computer Science and Engineering.
Data Science (AI & ML); **CGPA: 6.81**   September 2021 - July 2025

New Vision Junior College   Khammam, India
12th; **750 Marks**   July 2019 - June 2021

St. Marie's E.M. High School   Thimmaraopeta, India
10th; **CGPA: 8.5**   July 2019 - June 2021

Open-Source Contribution

- ### QuantumPDF ChatApp
  HTTPS://GITHUB.COM/KEDHARESWER/QUANTUMPDF_CHATAPP, HTTPS://QUANTUMN-PDF-CHATAPP.NETLIFY.APP/
  - Contributed to retrieval-augmented generation (RAG) chat application that integrates PDF processing with a vector database to enable intelligent, document-aware question-answering.
  - Optimized document analysis pipeline with adaptive chunk sizing (~200–1000 tokens per chunk), real-time quality metrics, and vector database integration (support for Pinecone and local storage).
  - helped in Achieving highly accurate retrieval: semantic search precision up to 92% and response latency <5.2 seconds per query (benchmarked with up to 5,000 PDF chunks).

- ### Data Science Platform
  HTTPS://GITHUB.COM/KEDHARESWER/DATA_SCIENCE_PLATFORM, HTTPS://DATA-SCIENCE-PLATFORM.VERCEL.APP/
  - Contributed to retrieval-augmented generation (RAG) chat application that integrates PDF processing with a vector database to enable intelligent, document-aware question-answering.
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