

# CHODHARY MUHAMMAD JUNAID

Pakistan | [Phone](#) | [Email](#) | [Portfolio](#) | [Linkedin](#) | [Github](#)

## SUMMARY

AI-focused Full-Stack Engineer specializing in automated AI systems, Retrieval-Augmented Generation (RAG) pipelines, and production-grade web and mobile applications. Experienced in integrating Large Language Models, building intelligent automation workflows, and developing scalable full-stack solutions. Strong problem-solving mindset with a focus on real-world impact, clean architecture, and modern engineering practices.

## EXPERIENCE

### Associate Software Engineer | Full-Time, Onsite

Aug 2025 – Present

Vanar, Pakistan

- Developed and maintained **web** and **mobile** applications across production environments
- Built and integrated Retrieval-Augmented Generation (**RAG**) systems, including embedding pipelines and model workflows
- Trained and fine-tuned **AI models** to support product features and intelligent automation
- Integrated **LLM**-based features and streaming responses into live applications
- **Maintained** and enhanced existing products, fixing issues, improving performance, and shipping new features
- Collaborated with cross-functional teams to deliver scalable and reliable AI-driven solutions

### Full-Stack Developer | Contract, Remote

Jan 2024 – July 2025

CognoRise InfoTech, India

- Developed **full-stack web** applications using modern frontend and backend technologies
- Built **RESTful APIs** and integrated them with dynamic frontend components
- Implemented **Multi Factor Authentication**, data handling, and **CRUD** workflows for real-world use cases.
- Worked on **AI-integrated** features and automation logic inspired by production requirements
- Debugged and **optimized** existing systems to improve stability and performance
- Collaborated in **Agile** workflows, contributing to feature planning and delivery

### Frontend Web Developer | Full-Time, Onsite

Aug 2023 – Dec 2023

Dynmsol, Pakistan

- Developed responsive and reusable UI components for a Laravel-React **E-Commerce** platform
- Implemented modern **UI/UX practices** for product listing, navigation, and checkout flows
- Integrated **frontend** components with **backend APIs** and business logic
- Improved application responsiveness and **cross-device** compatibility
- Gained hands-on experience with **production-level** e-commerce workflows

## PROJECTS

### AI Tool Hub

Next.js, Supabase, Cron Jobs, LLM APIs

- Built a **fully automated** platform that discovers, evaluates, and compares AI tools without manual input
- Implemented **cron-based automation** to continuously fetch and add newly released AI tools
- Integrated multiple LLM APIs (own free keys) to **auto-rate tools**, generate insights, and perform comparisons
- Designed an **end-to-end pipeline** for AI-driven analysis, scoring, and listing management

Next.js, TypeScript, MongoDB, Stripe, AI APIs

- Built a **full-featured artist marketplace** supporting artwork uploads, tutorial posting, and digital product sales
- Implemented **buying** and **selling** workflows for artwork and tutorials with secure **Stripe** payment integration
- Integrated **AI-generated** reference **image creation** to assist artists during the creative process
- Designed scalable **content management** for tutorials, artwork listings, and user transactions

### RAG-Based AI Application

SvelteKit, Embeddings, Vector Databases, LLM APIs

- Built a Retrieval-Augmented Generation (**RAG**) system using **embeddings**
- Implemented semantic search and **streaming** AI responses
- Designed **retrieval pipelines** to improve answer accuracy and relevance

## MOBILE & AI APPLICATIONS (Capacitor-Based)

### Nail Health App

Capacitor, TypeScript, OpenAI API, Firebase

- Developed an AI-based app to **detect nail diseases** from images
- Maintained user **health history** and **progress tracking**
- Implemented **deep linking** for seamless navigation

### Plant Doctor App

Capacitor, TypeScript, OpenAI API, Firebase,

- Built an AI-driven app to detect **plant diseases** and **suggest treatments**
- Added **progress tracking** using images to monitor plant recovery
- Implemented **reminders**, **deep links**, and user records

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## TECHNICAL SKILLS

### Programming Languages

- JavaScript (ES6+), TypeScript, Python, C++

### Frontend Development

- React.js, Next.js (App Router), Redux Toolkit
- HTML5, CSS3, Tailwind CSS, Bootstrap
- Responsive Design, Component-Based Architecture

### Backend Development

- Node.js, Express.js
- RESTful API Design, Authentication & Authorization
- Server-Side Logic, Data Validation, API Integration

### Databases

- MongoDB, MySQL
- Schema Design, Indexing, CRUD Operations

### AI & Intelligent Systems

- Retrieval-Augmented Generation (RAG)
- Embeddings & Semantic Search
- LLM Integration & Streaming Responses
- Prompt Engineering
- AI Automation Pipelines

### Mobile Application Development

- Capacitor (Cross-Platform Apps)
- Push Notifications, Deep Linking

### Payments & Integrations

- Stripe Payment Gateway
- Third-Party API Integration

### Tools & Technologies

- Git, GitHub
- Postman, Axios
- JSON, HTTP/HTTPS
- Cron Jobs & Scheduled Tasks

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## EDUCATION

### BS Software Engineering

Lahore Garrison University

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## ADDITIONAL INFORMATION

- **Evaluator:** Evaluated G-TECH Hackathon 2025 at Lahore Garrison University
- **Mentorship:** Web Development Mentor at LGU's SE-Tech Society (Spring 2025)