**Khursheed Razzak Gaddi**

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**PROFESSIONAL SUMMARY**

Dynamic Backend Engineer with extensive experience in Python and Node.js, specializing in Generative AI, database management, and creating robust, scalable solutions. Expertise in developing conversational AI applications and integrating cutting-edge technologies to optimize performance and enhance user experience. Passionate about staying updated with the latest tech trends, and committed to delivering high-quality software solutions.

**WORK EXPERIENCE**

1. **e-Zest Digital Solutions - Software Engineer (Backend) Pune** **10/2021 - Current**

* **JIMS Virtual Assistant - IOM**
  + RAG-based chatbot with document ingestion for conversational queries.
  + Implemented a feature to escalate user queries if no results are found in the documents, based on user choice.
  + Integrated multi-language support and stored user history for 8 hours per user.
* **Knowledge Assistant and Extractor Affable**
  + AI-based chatbot with dynamic database management.
  + Enabled natural language querying for direct database interaction.
  + Extracted information based on user prompts and exported them into Excel.
* **GenDash Igrafx**
  + Developed a conversational chatbot for creating apps and adding dashboards.
  + Allowed users to add charts to dashboards through natural language commands.
* **WHO - NL Chatbot**
  + Developed both frontend and backend components using Flutter and Python.
  + Created APIs with FastAPI and Flask for seamless communication between frontend and backend.
  + Integrated Generative AI (LLM) using Langchain for natural language processing.
  + Implemented a chatbot capable of querying databases and documents directly.
  + Enabled the chatbot to provide information in natural language format based on user queries.
* **CWT**
  + Developed UI using Flutter and implemented API integrations following Clean Architecture principles.
  + Processed Excel data containing hotel booking information with predefined rules.
  + Assigned tasks to agents for property calls and follow-ups, updating property status accordingly.
  + Generated and sent status reports to CWT and performed reconciliation on received data.
* **Acti-on AI**
  + Developed UI using Flutter and integrated APIs for seamless user interaction.
  + Contributed to backend development with Node.js, focusing on event-driven architecture.
  + Utilized Kafka to connect with data sources, periodically pulling and pushing data to MongoDB.
  + Implemented user subscription to Kafka topics for message consumption and event creation.
  + Designed role assignment functionalities within the system for user management.

1. **Dataviv Technologies – SE Intern Mumbai** **06/2021 - 09/2021**

* **MyMarket**
  + Developed and managed mobile applications using the Flutter framework, prioritizing state management and enhancing app performance through code optimization.
  + Integrated APIs and conducted code refactoring to streamline processes.
  + Guided other developers in adhering to code standards and best practices.
  + Contributed to backend API development utilizing NodeJS.
  + Worked on the development and maintenance of both mobile and web applications, gaining experience in API integration with frontend and backend systems.
  + Participated in Agile methodology and collaborated with cross-functional teams.

1. **Freelancing**

**Genset Canopy (DesignMatix)**

* + Developed a SolidWorks-based tool generating 3D models from user inputs.
  + User can import data from Excel sheet and also export in TXT, PDF and EXCEL.

**MyMuster (Institute Management App ERP)**

* + Developed an app digitizing school/college task, reducing manual efforts in day-to-day operations.
  + Roles and management (Admin, Faculty, Students) with access control.

**Clean Architecture Boiler Template**

* + Created a Flutter boilerplate using Clean Architecture with MVVM and Riverpod for state management.
  + Included features like environment setup, theming, and routing.

**Goods Management**

* + Developed an application for local shops to manage goods.
  + Provided functionality for admins to check stock, generate sales bills, and view monthly sales reports.

**Live Vehicle Tracking**

* + Developed a vehicle tracking app for admins and drivers.
  + Enabled admins to track drivers’ live locations on Google Maps.

**EDUCATION**

**B.E Compuer Science**, Theem College of Engineering September 2021

**HSC**, RMC college of Science and Commerce October 2017

**CERTIFICATIONS**

**Flutter** (Udemy) September 2020

**Python** (Udemy) October 2019

**NodeJS** (Udemy) July 2021

**SKILLS**

* **Programming Languages:** Python, Node.js, JavaScript, Dart
* **Backend Technologies:** FastAPI, Flask, Express.js, NodeRED.
* **Frontend & Mobile Development:** Flutter (BLoC, Provider, Riverpod, Google Map, Geolocation, RazorPay), ReactJS
* A**I & Machine Learning**: Generative AI, LangChain, Embeddings
* **Tools:** (framework for working with Generative AI),
* **Databases:** PostgreSQL, MySQL, MongoDB, SQL Server, SQLite, Firebase, Hive
* **Local Storage:** Hive, SQFlite, Redis
* **Development Frameworks:** MVC, MVVM, Clean Architecture
* **APIs:** REST APIs, Kafka
* **Cloud & DevOps:** Docker, Kubernetes
* **Version Control:** Git, GitLab, GitHub
* **Development Principles:** SOLID, DRY, Object-Oriented Programming (OOP)
* **Methodologies:** Agile, Clean Architecture

**ROLES AND RESPONSIBILITIES**

* Software Development (Full-Stack)
* Mentoring L1 developers
* L1 Interview Panel
* Project Architecture Setup
* Deployment and Maintenance

**ACTIVITIES AND INTERESTS**

* **HackerRank** (05/2019 - 2021)

Earned 3-star ratings in Python and Problem Solving.

* **CSI - Web Competition** (07/2020 - 07/2020)

Secured 3rd position in CSI's Web Designing Competition.

* **Neon Cricket Champion** (03/2021 - 03/2021)

Emerged victorious in the Neon Cricket final at Theem College of Engineering.

**LANGUAGES**

* English (Proficient)
* Hindi (Native)
* Marathi (Basic)