Akshit Madan

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STATEMENT

A Fullstack Software Engineer with expertise in developing and managing AI based client/server side modules. I am also a Tech Content Creator @YouTube with 40K subscribers where I published 300+ tutorials in the domains of Software Development and Management. My past experience of being a Founding Engineer and a Team Lead adds to my skills of designing solutions from scratch.

EDUCATION

- **PICT, BE in Computer Engineering** — Dhankawadi, Pune
  Aggregate CGPA: 9.54 — *2019-2023*

SKILLS

- **Concepts**: OOP, Data Structures and Algorithms, RAG, Finetuning LLMs, websockets, webRTC, System Design and Microservices Concepts

- **Languages**: Dart, Python, Typescript

- **Frontend**: Flutter SDK (BLoC, Clean Architecture, TDD)

- **Backend/Databases**: NodeJS/ExpressJS, FastAPI, Flask, MongoDB, PostgreSQL, Pinecone, Prisma, TypeORM

- **Software Tools**: Linux, Git/Github, Postman, Cloudflare, Docker, Kubernetes, various AWS Tools, Bitrise CI/CD, Langchain, LlamaIndex and various Python libraries for Data Science and NLP.

- **Management**: Founding Engineer @Resumepal - Leading the team of Tech and Business Developers

EXPERIENCE

- **Resumepal AI** — Pune, India
  Founding Engineer — *Jan 2024 - Present*

  - **Role:** : Architecing the AI based solution for Talent Tech

  - **Work:**: As the Founding Engineer at Resumepal, I am responsible for architecting and implementing the core software module. My current project involves developing a RAG-based Mock Interview Platform, utilizing sophisticated natural language processing and facial expression analysis algorithms to enhance user interactions and feedback mechanisms

- **Azodha Inc.** — Pune, India
  Mobile Team Lead — *Jan 2023 - Dec 2023*

  - **Role:** : To Lead the team of Developers focused on Mobile App Projects

  - **Work:** : As the Team Lead at Azodha, I developed a Multi-Level Architecture for our mobile projects, standardizing the structure across all Frontend Projects. This architecture detailed the interaction between various software layers, emphasizing module reusability. Additionally, I extensively utilized the WebSockets protocol to enhance real-time communication in one of our key projects.

- **Tickertape (smallcase)** — Bengaluru, India
  Software Development Intern (Flutter) — *Sep 2022 - Feb 2023*

  - **Team:** : Tickertape Mobile Dev Team

  - **Work:** : Being a part of Mobile Development Team, I worked with BLoC State Management, MVC Architecture, advanced Dart concepts and plugins, integrated APIs, understood CI/CD lifecycle, sending user Analytics to cloud server. Following a particular Software Design Pattern is my biggest take from this internship.

Projects and Publications

- **Converting Epics/Stories into Pseudocode Using Transformers (Published in 2023 IEEE 20th India Council International Conference (INDICON))**: The conversion of user epics or stories into their appropriate representation in pseudocode or code is a time-consuming task, which can take up a large portion of the time in an industrial project. With this research paper, we aimed to present a methodology to generate pseudocode from a given agile user story of small functionalities so as to reduce the overall time spent on the industrial project

Achievements

- **Youtuber:** : Delivered 450+ Videos regarding Industry Level App and ML Projects on YouTube. Served multiple International App Development Clients. My tutorials cover topics like Flutter, Backend Frameworks, NLP and Kaggle Dataset Analysis

- **Winner: Solveathon by Cognizant:** : Proposed a Solution on Social Distancing Management in Public Places using Computer Vision and Deep Learning

- **First Runner Up: MindSpark by CoEP**: Created a Digital Medicine Prescription System, Doctors, Patients and Pharmacist all on a single platform.

- **Second Runner Up: Paskathon by PICT, ACM**: Created an EMF Recording App that sends data to cloud for generating Density and Heatmap Plots.