

ARSALAN AHMAD

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WORK EXPERIENCE

Edge Scale

Software Engineer

<https://edgescale.tech>

August 2023 - Present

DebateGPT

- Designed and developed an AI-powered debate platform, <https://letsdebate.in>, allowing users to enhance their debating skills through interactive sessions with AI opponents.
- Implemented real-time AI response streaming and progress tracking features, enabling an engaging and personalized user experience.
- Deployed both frontend (React) and backend (Node.js) on a single AWS EC2 instance with Nginx for efficient resource management and HTTPS configuration.

Card Fusion

- Developed a cross-platform mobile application using Flutter, enabling seamless performance on both iOS and Android devices.
- Implemented state management with Provider, ensuring efficient and scalable application state handling.
- Integrated Supabase for authentication (including Google sign-in for both iOS and Android), as well as Supabase storage and database for managing user data and app content.

Adrush.ai

- Scraped and curated a comprehensive dataset of 1,300+ AI tools and startups from various platforms for Adrush.ai, an AI directory and advertising platform, contributing to enhanced data quality and user experience.
- Developed a Python script to automate the storage of 1,300+ AI tools/startups data into Google Sheets and implemented a Google Apps Script API for efficient data retrieval during the initial phase of development.
- Migrated the dataset from Google Sheets to MongoDB, and developed RESTful APIs using Express.js for core functionalities such as data retrieval, new tool additions, and Google OAuth-based user authorization.
- Personally deployed the backend on an AWS EC2 instance, overseeing server setup and infrastructure management.

Parchi

- Built right from the start, the entire backend for our project, including all essential functionalities and intricate logic. Emphasized the creation of maintainable code throughout the process.
- Integrated robust authentication and authorization mechanisms, preventing unauthorized access to sensitive data and functionalities.
- Integration Sentry, which track and record any issues and errors. Additionally, this integration allows us to receive real-time notifications directly in our designated Slack channel, ensuring prompt and seamless communication for swift issue resolution.

Harshly Education and Skills Technologies Pvt Ltd

Fullstack Developer

November 2022 - March 2023

Easyhaionline.com

- Developed and deployed a robust notification system with AWS SNS, effectively informing users about their scheduled classes, upcoming events, and payment due dates through their Android and iPhone applications.
- Built a system that enforces access restrictions to expired courses, proactively blocking user access, and additionally, automates timely payment reminders through user notifications.
- Developed a system to monitor and document student attendance during Zoom classes, meticulously registering the data for analysis, and efficiently notifying parents about their children's attendance status.
- I showcased a keen knack for precisely debugging and proficiently resolving issues on both the backend and front end. I also successfully enhanced UI elements.

PROJECTS

Flutter Chat Application

November 2024 - Present

- Developed a real-time chat application using Flutter, enabling seamless communication with rich media support.
- Integrated Firebase for authentication, cloud messaging, and real-time database to ensure reliable and secure user experiences.
- Incorporated user-friendly features like read receipts, typing indicators, and customizable chat themes.
- Source code available on GitHub: <https://github.com/yourrepository/flutter-chat-app>.

Telegram Bot

December 2023

- Developed a Telegram bot that automates daily web scraping of blog links from specified websites and delivers them directly to Telegram accounts, improving content accessibility and user engagement.

TECHNICAL SKILLS

Programming Languages	JavaScript, Python, Dart, C++, C, LaTeX
Frameworks	Node.js, React, Express.js, Flutter, Django
Databases	MongoDB, Mongoose, Firebase Realtime Database
AI Tools	Ollama, Llama-based models, AI integration
Tools	Git, GitHub, Supabase, Firebase, AWS SNS
Cloud Platforms	AWS (EC2, S3, SNS), Supabase

YOUTUBE CHANNEL

Arsalan - Code Lab

<https://www.youtube.com/@arsalan2612>

- Produce and publish tech tutorials and hands-on software solutions, focusing primarily on Flutter development.
- Demonstrate coding techniques, best practices, and project implementations to educate and engage viewers.

EDUCATION

Indira Gandhi National Open University

2020 - 2023

Bachelor of Computer Applications

New Delhi

Raj Inter College (BSEB)

2017 - 2019

Senior Secondary

Overall Percentage: 72%