

shad

shaadr70@gmail.com | LinkedIn | GitHub | Portfolio | India (Open to relocation)

Full-stack engineer and technical writer with more than 3 years of experience building, deploying and documenting AI

and data science applications. Skilled in Python, JavaScript/React and Node.js, with a proven ability to architect scalable

services using FastAPI, Flask and Docker. Adept at writing clear documentation, API references and tutorials that

convey complex concepts to technical and non-technical audiences. Experienced in speech processing, retrieval-augmented

generation and data analysis.

## EDUCATION

Indian Institute of Technology Madras 2023 – 2027

B.S. in Data Science & Applications

Swami Vivekanand Subharti University, Meerut 2023 – 2026

B.A. in Mathematics & Economics

## EXPERIENCE

Freelance Full-Stack Engineer & Technical Writer Apr 2025 – Present

- Designed, built and documented buuzzer.com, an AI interview assistant that streams voice transcription and generates

context-aware answers. Implemented microservices in FastAPI and Node.js, integrated STT and LLM reasoning, deployed

via Docker on a VPS and authored user guides and API documentation.

- Developed TRINETRA, a full-stack HR platform with retrieval-augmented chatbots, resume matching and automated

workflows. Wrote detailed README files, feature maps and API references, and enforced code quality through unit tests

and continuous integration.

- Constructed Samvaad, a real-time text-to-speech engine using FastAPI and WebSockets; produced reproducible deployment guides and performance documentation.

- Built LLM Agent Helper, an agentic framework enabling tool use and multi-step reasoning; created user-facing documentation and maintained code examples.

- Collaborated with researchers to translate machine-learning evaluation results into clear narratives and recommendations

using notebooks and reports.

Data Science & ML Analyst – Abrar Memorial Hospital May 2024 – Apr 2025

- Collected and structured hospital and pharmacy inventory data, designed key performance indicators and applied forecasting models to predict medicine demand, reducing stock-outs.

- Delivered dashboards and reports explaining data pipelines, feature engineering and forecasting logic to medical staff and management.

## PROJECTS

MentorClock — Career Mentorship Platform 2026

Live

- Developing a SaaS platform connecting mentees with industry mentors; integrated an AI resume builder using Next.js,

Firebase and LangChain. Implemented subscription tiers and secure payment flows; writing documentation and tutorials

for users and developers.

VeritasDeck — Document-to-Slides Generator 2025

GitHub

- Created a retrieval-augmented pipeline to convert PDFs into presentation slides; documented the workflow, including retrieval, summarization and slide generation logic.

Engage2Value — Purchase Value Prediction 2024

GitHub

- Built machine-learning models with advanced feature engineering to predict customer purchase value; achieved a top ranking among more than 1,700 participants; documented experiments and results.

## SKILLS

Languages: Python, JavaScript/TypeScript (Node.js, React), C/C++, Java basics, SQL

Frameworks: FastAPI, Flask, Vue 3, React, Node.js, Express, Next.js

AI & ML: Generative AI, retrieval-augmented generation, speech-to-text, text-to-speech, deep learning (PyTorch)

DevOps: Docker, Git/GitHub, VPS (KVM), GitHub Actions, continuous integration, unit testing

Tools: REST APIs, WebSockets, Chrome extension APIs, PostgreSQL/MySQL, MongoDB, Postman

Writing: Technical writing, API documentation, README authoring, tutorial notebooks, data storytelling

## ACHIEVEMENTS

Finalist, Devbhoomi Cyber Hackathon 3.0

Ranked 22/1700+ in Kaggle Engage2Value

1

-- 1 of 1 --