

Amaan Shaikh

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🔗 Portfolio

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🔗 GitHub

SUMMARY

Software Developer skilled in **AI, Data Science** and **Full Stack Development**. Experienced in creating secure, data-driven apps with robust reporting and access control in Agile environments.

EDUCATION

Dr. D. Y. Patil Institute of Technology, Pimpri, Pune

Bachelor of Engineering in Artificial Intelligence and Data Science

2021 - 2025

CGPA: 8.44

Coursework: Data Structures and Algorithms, Database Management Systems, Computer Networks, Data Science, Software Engineering, Operating Systems, Artificial Intelligence, Machine Learning, Natural Language Processing.

TECHNICAL SKILLS

Programming Languages: Python, C++, JavaScript, TypeScript

Frontend: HTML, CSS, React, Next.js, Tailwind CSS, Bootstrap

Backend: Node.js, Express, RESTful API, FastAPI

Databases: MongoDB, MySQL

Tools: Git/GitHub, Postman, VS Code, Appwrite, NodeMailer, Recharts, OAuth 2.0

PROJECTS

Syllabus | *TypeScript, Next.js, Tailwind CSS, MongoDB, RESTful APIs, AI*

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AI-Powered Syllabus-Based Question Paper Generator

- Architected and deployed an **AI-powered full-stack web application** to auto-generate syllabus-aligned question papers with blueprint constraints, reducing manual creation time by **60%**.
- Implemented a **dynamic paper builder engine** with automated difficulty balancing, internal choice logic, and real-time PDF generation.
- Integrated secure authentication and **role-based access control (RBAC)**, improving system security, performance, and educator productivity by **40%**.

Nyayik | *TypeScript, Next.js, Tailwind CSS, LangChain, Pinecone, Gemini.*

[GitHub](#) | [Live](#)

AI-Powered Legal Assistance, Instant Case Insights.

- Built an **AI-driven legal advisory platform** using **LLMs, LangChain, Pinecone, and Gemini AI** for queries, law summaries, and case recommendations.
- Designed a **secure backend** with MongoDB and **RAG**, ensuring compliance, privacy, and real-time accuracy.
- Added **multi-format input parsing** and summarization, reducing legal research time by **50%**.

Spend Less | *TypeScript, Next.js, RESTful APIs, Tailwind CSS, MongoDB.*

[GitHub](#) | [Live](#)

Helping Users Save More and Spend Smarter.

- Built a finance management system with **budget tracking, expense categorization, and investment insights** using data visuals.
- Integrated **real-time stock updates** (Finnhub API) and **Split It Up** for smart expense sharing and payouts.
- Designed a **custom dashboard**, boosting **user engagement by 35%** with efficient UI and automation.
- Added **savings challenges** with goals, streaks, rewards, and leaderboards to drive motivation and retention.

CERTIFICATIONS

OCI Data Science – Oracle

OCI Developer – Oracle

Machine Learning, AI, Python – Udemy

EXPERIENCE & LEADERSHIP

Head - Database Team, DevKraft Tech Club.

Pune | **2021 - 2024**

- Directed **backend development** and data modeling for several internal initiatives.
- Hosted technical webinars with industry professionals, **raising awareness of cutting-edge technologies**.