

Amaan Shaikh

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SUMMARY

Creative and meticulous **Software Developer** with a strong background in **Artificial Intelligence & Data Science**. Equipped with solid programming skills and **hands-on experience in developing enterprise-level web applications**. Proficient in **Full Stack Development**, REST APIs, and Cloud Fundamentals. Certified in Python and Web Development, I excel in Agile environments by converting business requirements into scalable technical solutions. Experienced in designing robust reporting systems and integrating features such as secure authentication, reimbursement, and role-based access control.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, C++
Frontend: React, Next.js, Tailwind CSS, Bootstrap, HTML, CSS
Backend: Node.js, Express, RESTful API, FastAPI
Databases: MongoDB, MySQL
Enterprise/Platforms: Appwrite, SMTP, NodeMailer, Recharts
Tools: Git/GitHub, Postman, VS Code

CERTIFICATIONS

Cloud Fundamentals (Google Cloud) – Qwiklabs
Full Stack Development – Great Learning

EDUCATION

Dr. D. Y. Patil Institute of Technology, Pimpri, Pune CGPA: 8.44 | 2021 - 2025
Bachelor of Engineering in Artificial Intelligence & Data Science
Coursework: Data Structures and Algorithms, Database Management Systems, Computer Networks, Data Science, Operating Systems, Software Engineering, Machine Learning, Natural Language Processing

PROJECTS

DePayment | TypeScript, Python, Next.js, Flask, Tailwind CSS, MongoDB, MongoDB Atlas. GitHub 🔗 | Live 🔗

Encrypted Transactions, Seamless Transfers.

- Developed a secure, **scalable payment gateway** with **digital wallet** functionality for **peer-to-peer and merchant transactions**.
- Built high-performance backend APIs with Python Flask and MongoDB, **reducing transaction latency by 35%** and supporting **real-time wallet top-ups, fund transfers, and balance tracking**.
- Designed and deployed a responsive wallet management UI with React and Tailwind CSS, **improving user task efficiency by 40%** and reducing friction in **QR-based payments**.
- Maintained system integrity through **token-based authentication** and AES-encrypted transaction streams, **delivering 100% success in tests**.

Spend Less | TypeScript, Next.js, RESTful APIs, Tailwind CSS, MongoDB, MongoDB Atlas. GitHub 🔗 | Live 🔗

Helping Users Save More and Spend Smarter.

- Built a finance management system with **budget tracking, expense categorization, and investment insights** using **interactive data visuals**.
- Integrated **real-time stock updates** via **Finnhub API** and built **Split It Up**, enabling smart expense sharing with **seamless reimbursements**.
- Created a **custom dashboard** with Next.js & Tailwind CSS, increasing **user engagement by 35%** through efficient UI and task automation.
- Implemented gamified savings challenges** with established goals, streaks, rewards, and a social leaderboard to boost motivation and retention.

Employ Me | JavaScript, Python, MERN, RESTful APIs, NoSQL, FastAPI, MongoDB Atlas GitHub 🔗 | Live 🔗

Empowering Job Seekers and Employers with Smart Hiring Solutions.

- Built a **MERN stack** job portal, connecting job seekers and recruiters through an intuitive interface with security measures.
- Implemented **real-time application tracking, job postings, and AI-powered job recommendations** using **MongoDB** aggregation.
- Designed a **mobile-responsive UI** using CSS and Bootstrap with React & Python, improving job search efficiency **by 40% (with AI)**.

Cura Link | TypeScript, Next.js, RESTful APIs, Tailwind CSS, Appwrite, Twilio, SMTP. GitHub 🔗 | Live 🔗

Revolving Patient Physician Interaction and Health Access.

- Designed a safe, **cloud-based healthcare platform** for efficient applications, **lowering scheduling conflicts by 30%**.
- Enacted **role-based access control (RBAC)**, which was **100% compliant** with data privacy laws.
- Integrated an administration-controlled patient records system with automated health insights.

EXPERIENCE & LEADERSHIP

Dr. D.Y. Patil Institute of Technology Pimpri, Pune
Head - Database Team, DevKraft Tech Club. 2021 - 2024

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