

Amaan Shaikh

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SUMMARY

Creative and meticulous **Software Developer** with a strong background in **Artificial Intelligence & Data Science**, good programming skills, and **hands-on experience in developing enterprise-level web applications**. Proficient in **Full Stack Development**, REST APIs. **Cloud Fundamentals, Python, Web Development** certified, I excel in Agile environments, converting business requirements into scalable technical solutions. Experienced in designing solid reporting systems and incorporating 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: 8.38 | 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 and Natural Language Processing

PROJECTS

Employ Me | *JavaScript, Python, MERN, RESTful APIs, NoSQL, FastAPI, MongoDB Atlas* GitHub [↗](#) | Live [↗](#)
Empowering Job Seekers and Employers with Smart Hiring Solutions.

- Build 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.
- Design an intuitive **mobile responsive user interface** using CSS and Bootstrap, leveraging React & Python, improving job search efficiency **by 40% (with AI)**. This ensured Responsive User Interfaces across all devices.

Spend Less | *TypeScript, Next.js, RESTful APIs, Tailwind CSS, MongoDB, MongoDB Atlas*. GitHub [↗](#) | Live [↗](#)
Helping Users Save More and Spend Smarter.

- Engineered a finance management system with **budget tracking, expense categorization** and **investment insights** through **interactive data visualization**.
- Integrated **real-time stocks updates** via the **Finn hub API** and executed **Split It Up**, a smart expense-sharing solution featuring **seamless reimbursement** functionality.
- Developed a **custom dashboard** with Next.js & Tailwind CSS, enhancing user **engagement by 35%** through efficient design and automation of routine tasks.
- **Introduced Gamified Savings Challenges**, incorporating predefined challenges, streaks, rewards, and a social leaderboard to boost savings motivation and user retention.

DePayment | *TypeScript, Python, Next.js, Flask, Tailwind CSS, MongoDB, MongoDB Atlas*. GitHub [↗](#) | Live [↗](#)
Encrypted Transactions, Seamless Transfers.

- Developed a secure, **scalable payment gateway** system with integrated **digital wallet** functionality for seamless **peer-to-peer and merchant transactions**.
- Build high-performance backend APIs using 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**.
- Strengthened system integrity by **implementing token-based authentication**, and AES-encrypted transaction flows, **achieving 100% secure transaction success rate** in testing.

Cura Link | *TypeScript, Next.js, RESTful APIs, Tailwind CSS, Appwrite, Twilio, SMTP*. GitHub [↗](#) | Live [↗](#)
Revolutionizing Patient-Doctor Interaction and Healthcare Access.

- Developed a secure, **cloud-based healthcare platform** that enables seamless application submissions, **reduces scheduling conflicts by 30%** and improves communication and care delivery.
- Implemented **role-based access control (RBAC)**, ensuring **100% compliance** with data privacy regulations.
- Integrated an admin-managed 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

- Led the backend and data modeling for multiple internal projects.
- Organized tech webinars with industry experts, enhancing awareness of **emerging tech trends**.