

# 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: 8.38 | 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, 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**.
- Build 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**.
- Ensured system integrity using **token-based authentication** and AES-encrypted transaction flows, **achieving a 100% success rate in testing**.

**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.
- Introduced gamified savings challenges** with predefined goals, streaks, rewards, and a social leaderboard to enhance 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.

- 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 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](#)

Revolutionizing Patient-Doctor Interaction and Healthcare Access.

- Created a secure, **cloud-based healthcare platform** for streamlined applications, **reducing scheduling conflicts by 30%**.
- 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 backend development and data modeling for multiple internal projects.
- Organized technical webinars with industry experts, promoting awareness of **emerging technologies**.