

Khush Patel

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Education

MIT Academy of engineering

Bachelor of Technology in Computer Engineering (CGPA of 8.41)

Jan 2021 - July 2025

Maharashtra, India

Internship Experience

Fulcrum

June 2024 – August 2024

Software Development Engineer Intern

Pune, India

- Developed and implemented features such as "Sign in with Google" and role-based access control using middlewares in NodeJS, enhancing the user authentication and authorization flow.
- Designed and implemented email notifications using Nodemailer to automate communication between the system and users.
- Developed and optimized multiple RESTful APIs to extract and compute data from PostgreSQL, meeting various business requirements and improving system functionality.
- Collaborated with the team to refactor a monolithic architecture into a microservices-based system using NodeJS and Express.js, improving scalability and maintainability.
- Integrated Kafka for real-time data processing and analytics, enabling efficient event-driven communication across services.
- Contributed to the design and development of the CI/CD pipeline to automate testing, building, and deployment, ensuring faster and more reliable releases.

Projects

StudyNotion - An Edtech Platform / NodeJS, ReactJS, ExpressJS, MongoDB /

- An Edtech platform which allows instructors to upload video lectures and seamless learning for students.
- Many interesting features such as quiz, practice MCQs, Interaction with educators, Doubt classes and many more features

FoodLens / NodeJS, ReactJS, ExpressJS, MongoDB /

- An user interactive website in which it allows user to scan the QR on food packages and give the detailed explanation of the ingredients in it and also uses algorithms to predict whether it is suitable to eat or not

Result analysis system / Django , PostgreSQL /

- An user interactive platform made for colleges to track student performances in different exams and classify students into weak, fast learners for each course they are enrolled into. Provides insightful data to teachers to monitor student performance

Achievements

- College Rank 1 on leaderboard in Coding ninjas.
- Qualified the prestigious ACM-ICPC regionals.
- Solved more than 2000+ problems across platforms.
- Runner-up in Coding challenge on Hackerank in Codechef MITAOE
- Runner-up in Nirmaan 2.0 organised by GDSC MITAOE

Profile Links

- Coding Ninjas
- Leetcode
- GeeksforGeeks

Technical Skills

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

Web Technologies: Node.js, React.js, Express.js, Django

Databases: SQL, PostgreSQL, MongoDB

Cloud Platforms: Amazon Web Services (AWS)

Tools: Git, Docker, Kubernetes, Jenkins,