

# Amol Sahu

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## WORK EXPERIENCE

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### Project Engineer

Jan 2024 - Oct 2024

- Implemented full-stack apps using React, Node Express js, MongoDB.
- Worked in the backend to develop REST APIs, integrate MongoDB/MySQL, and resolve issues.
- Followed Agile process in mini-projects for regular sprint-based deliveries.
- Participated in code reviews, hackathons and debugging sessions for peer learning.

## SKILLS

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Languages:	C++, JavaScript, Dart, TypeScript, HTML5
Frameworks & Libraries:	Flutter, Node.js, Express, MongoDB, SQL
Tools & Platforms:	Git, GitHub, Docker, REST APIs, Postman
Creative Tools & Abilities:	Photography, videography, 3D animation, Photoshop, Light-room, DaVinci Resolve, Blender, Unreal Engine

## PROJECTS

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### Dhannalyze

[Github](#)

- Developed a secure mobile application using Flutter and Node.js, featuring a unified loan-insights dashboard, with the backend deployed via Docker and Render for reliable cloud hosting.
- Built scalable backend APIs with Express and MongoDB, implementing an email-OTP login flow and structured data handling for fast, reliable performance.
- Designed a clean and responsive Flutter UI with optional fingerprint-based 2FA, ensuring a seamless user experience and safe handling of sensitive data.

### Axiom Custom API Gateway

[Github](#)

- Building a MERN-based API gateway with real-time metrics via WebSockets for request counts, latency, and blocked traffic.
- Added an auto-metric capture proxy to log requests, rate limits, and errors without manual integration.

## ACHIEVEMENTS

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### Published Research Paper

[Paper Link](#)

- Published a research paper on project **Judicial Archive**, a centralized repository website for law students and practitioners. It provides structured access to Supreme Court and High Court judgments, case notes, and legal references across India.

## EDUCATION

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### B.Tech in Computer Science and Engineering

2022 – 2026 (Expected)

Lokmanya Tilak College of Engineering, Navi Mumbai

(GPA: 7.0/10)