

JAY SINGH

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Education

Thakur College of Engineering and Technology

Bachelor of Engineering in Information Technology

Aug. 2023 – Present

CGPA - 9.25

Technical Skills

Languages: Javascript, C++, Python, Dart, SQL — HTML, CSS, YAML, Markdown

Developer Tools: Figma, VS Code, Git, Android Studio, Docker, AWS

Databases: MongoDB, PostgreSQL, Redis, MariaDB

Technologies/Frameworks: NextJS, Node.js, NestJS, Flutter, Expo, Docusaurus, Auth0, GitHub Actions

Coursework: Computer Networks, Computer Architecture, Operating Systems, DBMS, Data Structures

Experience

ThinkAct AI

July 2025 – Jan 2026

Fullstack Engineer Intern

Remote – New Jersey, United States

- Built role-based authentication using Auth0 with 10+ roles and custom per-role onboarding emails via SendGrid, as part of a Mortgage Intelligence Platform serving multiple tenants.
- Configured wildcard SAN SSL on EC2 for dynamic tenant domains, Dockerized the project (Next.js, NestJS, Django + Ollama), with an internal note-taking tool which supports semantic search for LLM-based document retrieval.
- Implemented 8-language UI support alongside a WebSocket chat module with real-time translation synced across email.

Vighnotech

Sept 2024 – Jan 2025

React Native Intern

On-Site – Mumbai, India

- Built an Android fintech app in Expo from Figma designs, setting up OAuth2 Gmail access and SMS history via Android API to aggregate user financial data into a vendor CRM interface.
- Implemented client-side PDF generation for the CRM and Inventory Management module reducing server load, configured nightly builds for QA.

Open Source

April 2024 – Present

Maintainer NativeFlow, Top Contributor at TheOdinProject

- Followed the standard open-source practice to ensure atomicity in commits/pull-requests corresponding to issues, building a complete ecosystem of dev-tools which support the core library.
- Participated in Node:Revamp Project, with most of the work being discussion-heavy around language design rather than writing code and fixing backend issues on the TheOdinProject Website.

Projects

NativeFlow | *TypeScript, GitHub Actions, Docusaurus, React, Markdown, RTL, NPM*

[GitHub](#) | [Docs](#)

- An utility-first styling library for React Native, enabling Tailwind-like styling but using objects.
- Wrote Docusaurus documentation with live Expo examples and made a VS Code Intellisense extension for dev-exp.
- Benchmarked as the second-fastest styling library, only 8% slower than the native StyleSheet API.

SICK | *React Native, TypeScript, GitHub Actions, Solana, Phantom/Tiplink Wallets, Gemini, Figma*

[GitHub](#) | [Demo](#)

- A decentralized crypto investment app with copy trading, TipLink for wallet-less onboarding.
- Used CoinGecko and Jup.ag for live pricing with Gemini-based market analysis and a creator loyalty reward system.
- Awarded a monetary grant of 5k USD from CoinDCX/India via Superteam for onboarding 1000+ users on Web3.

binqr | *Flutter, Dart, Vite, Figma, QR Encoding, MD5 Checksum*

[GitHub](#) | [Live](#)

- Connection-free file transfer for android and desktop using QR codes as a medium.
- Chunked files into 800-byte MD5-verified QR payloads flashed at 10 QR/sec with auto-retry on bad scans.
- Built a matching Web UI which only supports Send functionality with cross-device support.

Fill My Cycle | *JavaScript, jQuery, HTML, CSS*

[GitHub](#) | [Live](#)

- An open sourced lab evaluation calculator that auto-generates annual cycle entries for submissions.
- Achieved 500+ daily visits during semester peaks via SEO optimization.

Extracurricular

Tech Writing

May 2024 – Present

Author of technical guides and documentation

Online

- Published articles on SEO-friendly HTML metadata and UI styling on dev.to, [Medium](https://medium.com), and [HackerNoon](https://hackernoon.com).