

# AAYUSH KUMAR SINGH

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## Education

Institute of Engineering and Management

Bachelor of Technology in Information Technology - 9.29 CGPA

November 2020 - June 2024

Kolkata, West Bengal

## Experience

PricewaterhouseCoopers (PwC)

Sept 2024 – Present

Specialist

Kolkata

- Designed and built an internal data platform from scratch enabling **data cataloging, profiling**, and **data quality checks**; integrated **LLM-powered insights** to automate analysis and improve usability.
- Developed a full-stack PWA with **SSO authentication** using ReactJS for a major e-commerce client, featuring a real-time chatbot and responsive UI.
- Implemented enterprise-wide **data quality rules** using IICS across 200+ critical fields; documented physical data dictionaries and contributed to Collibra-based data cataloging.
- Stack:** React, Zustand, REST API, Tailwind CSS, IICS, Collibra

Tilicho Fintech

June 2023 – Sept 2023

SDE Intern

Remote

- Built a full-stack **sales management dashboard**, boosting lead conversion by **40%** via optimized filtering, performance tracking, and streamlined workflows.
- Implemented Google Drive sync for user data and created a dynamic pricing module to showcase tiered service options.
- Stack:** React, Node.js, Express, MongoDB, TypeScript, Docker

## Skills

**Languages:** C++, JavaScript, TypeScript

**Frontend:** React.js, Next.js, HTML5, CSS3, Tailwind CSS

**Backend:** Node.js, Express.js, RESTful APIs

**Database/Storage:** SQL, PostgreSQL MongoDB, Redis

## Projects

Buy Me a Cutting Chai | [Source](#) | [Live](#)

- Built a **Web3 crowdfunding platform** for creators using **Next.js** and Ethereum smart contracts, allowing users to launch and support funding campaigns.
- Implemented a clean UI and wallet integration with Metamask for secure transactions; smart contract interactions powered by Ethers.js. Handled routing, campaign creation, and contributor dashboard on the frontend.
- Stack:** Next.js, Tailwind CSS

Dev Overflow (Stack Overflow Clone) | [Source](#)

- Developed a full-stack Q&A platform where users can register, post questions, answer, comment, and vote, mimicking core Stack Overflow features.
- Designed schema for users, posts, and votes in MongoDB, and implemented **JWT-based authentication** for secure access.
- Stack:** MERN Stack (MongoDB, Express.js, React, Node.js)

## Achievements

- KGEC's TimeHeist Hackathon Winner
- WEB3-INIT Hackathon Winner
- Finalist of JU Double Slash 2.0 Hackathon
- Finalist of IEMK's IEMHACKS Hackathon

## Certifications

- Cloud Computing | [Certificate](#)
- AWS Cloud Practitioner Essentials | [Certificate](#)