Akash Upadhyay

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EDUCATION

Sant Longowal Institute of Engineering and Technology Nov 2022 - May 2026
BTech Mechanical Engineering *Current GPA: 8.17/10.0*

Shree Jain Vidyalaya, Kolkata Aug 2018 - Feb 2020
Higher Secondary (Class 12th), WBCHSE *Percentage: 82.60%*

I.P. Memorial High School, Howrah 2008 - 2018
Secondary (Class 10th), WBBSE *Percentage: 80.42%*

COURSEWORK

Courses: Data Structures & Algorithms, Web Development

SKILLS

Languages: C++, JavaScript, Motoko, TypeScript, SQL

Tools: Git,GitHub, VS Code, Postman

Soft Skills: Team Leadership, Time management, English, Hindi

Framework: Next.js, Node.js, Express.js

Libraries: React, TailwindCSS

PROJECTS

Payment Transfer Web Application | *Next.js,Typescript,NextAuth.js, Prisma,Tailwindcss,Docker,Turborepo*
- Built a full-stack Paytm clone simulating real-world payment workflows using modern web technologies.
- Implemented secure authentication with NextAuth.js, supporting multiple providers.
- Designed a mock banking webhook system to simulate real-time fund transfer and asynchronous payment updates.
- Used Prisma ORM and PostgreSQL for robust backend data modelling and transaction history.
- Styled UI using Tailwind CSS for responsive, clean design.
- Adopted Turborepo for monorepo structure, improving modularity and developer experience.

Decentralized Banking Application | *JavaScript, Node.js, React.js, Tailwind CSS, Motoko, DFINITY SDK(dfx)*
- Developed a decentralised web application simulating a digital bank using DFINITY's Internet Computer Protocol.
- Implemented core banking functionality including deposit and withdrawal tracking with persistent state management via smart canisters.
- Used Motoko to write backend canister logic and handled asset delivery via the Internet Computer platform.
- Developed a responsive UI using HTML/CSS and JavaScript, bundled with webpack.

ACHIEVEMENTS

Solved 200+ DSA problems on Leetcode, GFG, and CodeStudio.

Represented school at State-level Spell Bee competition.

EXTRACURRICULARS

Enjoys debating, listening to music, and watching movies.

Global Affairs Enthusiast, DIY Projects.