

Satya Prakash

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EDUCATION

Kanpur Institute of Technology, Kanpur, India <i>Bachelor of Technology in Computer Science — CGPA : 7.68</i>	Kanpur, Uttar Pradesh <i>Aug. 2020 – Jul 2024</i>
Bishop Academy Dhanewa Maharajganj UP, India <i>AISSCE (Class XII — CGPA : 7.70)</i>	Maharajganj, Uttar Pradesh <i>Apr. 2018 – Mar 2019</i>
JP Education Academy Nathmalpur Gorakhpur UP, India <i>AISSCE (Class X — CGPA : 9.20)</i>	Gorakhpur, Uttar Pradesh <i>Apr. 2016 – Mar 2017</i>

PROJECTS

Insight-Xplorer | *NextJS, React, Prism, tRPC, Typescript, Zod, PlanetScale, Tailwind, Shadcn, KindeAuth, Pinecone.*

- Developed a **SAAS product** equipped with an **AI powered chatbot** which seamlessly allows user to interact with **PDFs** by asking questions, and let the intelligent bot provide relevant insightful answers.
- Leveraged **PlanetScale MySQL** and **Prisma** to ensure **secure user profile storage**.
- Implemented use of **trpc** to enhance data safety between **server** and **client**, while **Pinecone** and **Langchain** optimize vector database and language model functionalities.
- Integrated **KindeAuth** for **authentication** and **Stripe** for **secure payments**.

StudyNotion - An Edu-Tech Platform | *Tailwind CSS, ReactJS, NodeJS, MongoDB Atlas, ExpressJS, REST API.*

- Developed StudyNotion, a fully functional ed-tech platform, using the **MERN Stack**.
- Enabled users to **create, consume**, and rate educational content on the platform.
- Demonstrated proficiency in **ReactJS, NodeJS, MongoDB**, and **ExpressJS**.
- Utilized **REST API** design principles in the development of StudyNotion.
- Successfully deployed the platform using free hosting services such as **Vercel, Render.com**, and **Railway.app**.
- Integrated **MongoDB Atlas** for efficient database management.

Sorting Visualizer | *HTML, CSS, JavaScript .*

- Successfully designed and implemented a dynamic demonstration project showcasing various sorting algorithms such as **Merge Sort, Heap Sort, Bubble Sort, Insertion Sort, Quick Sort**, and **Selection Sort**.
- Utilized **HTML, CSS**, and **JavaScript** to create an interactive and visually appealing user interface for the project.
- Effectively demonstrated the functionality and efficiency of each **algorithm** through dynamic visualizations and real-time sorting examples.

TECHNICAL SKILLS

Languages: Java, C++, SQL, HTML/CSS, JavaScript, TypeScript.

Frameworks/Libraries: TailwindCSS, ReactJS, ExpressJs, Node.js, MongoDB, REST API, KindeAuth, Shadcn, trpc, Stripe, react-testing-library.

Developer Tools: Git, Github, TravisCI, VS Code, Visual Studio, Vercel, Firebase, mySQLWorkbench.

Libraries: pandas, NumPy.

COURSE WORK

Data Structure & Algorithm | Object-Oriented Programming | Database Management | Computer Network.

CERTIFICATION

Data Structure & Algorithms by Apna College

ACHIEVEMENTS

- * Ranked **732** in LeetCode Biweekly Contest **122** among **30000** participants.