Harsh Prakash

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EDUCATION

B.tech in Computer and Science | GLA University, Mathura   **75.9%** **/** June 2025

Intermediate | Grace Convent School (ISE) , Mathura   **85.6%** **|** May 2021

High School | Grace Convent School (ICSE)School, Mathura   **83.2%** **|** May 2019

PROJECTS

Vidsphere | *MongoDB, Express, React.js, Node.js, Typescript, Shad CN*

A Video Streaming web based application where a user can experience many rich features.

Backend - *Link*

- Implemented **JWT authentication** for user endpoints, ensuring data security and integrity.
- Utilized **MongoDB aggregation** pipelines for advanced data processing and querying, enhancing application performance.
- Integrated **Cloudinary API** for multimedia content management, optimizing media upload and retrieval.
- Developed **RESTful APIs** with Node.js and Express.js for video CRUD, user subscriptions, playlists, and tweets.
- Designed features for users to watch history, liked videos, comment, tweet , and many more.

Frontend - *Link*

- Developed frontend components using React.js with TypeScript, Tailwind CSS, and Shad CN UI, ensuring a responsive and visually appealing user interface.
- Utilized **Redux-Toolkit** for efficient state management, enhancing application performance and scalability.
- Implemented **Zod** for robust data validation in forms, ensuring data integrity and security.
- Designed and implemented various frontend pages with features such as infinite scrolling and searching functionalities, enhancing user experience and engagement.

Modern Threads | *MongoDB, Express, Node.js, EJS, Bootstrap* ***Link***

- Designed and developed a robust e-commerce website using **MVC architecture** with Node.js
- Implemented user authentication and authorization using **Passport.js** for secure access to user-specific features.
- Integrated **Stripe payment gateway** to facilitate seamless online transactions, ensuring a secure and reliable payment process.
- Developed **CRUD** operations for product management, allowing administrators to efficiently manage product listings while adhering to MVC principles.

SKILLS

- **Programming Expertise**: Java, JavaScript
- **Frameworks and Libraries**: React, Next.js, Node.js, Express, Tailwind CSS , Mongo DB
- **Familiar With** : Postgress , Typescript , Shad CN UI , Radix UI , AWS ,
- **Developers Tools** : Git ,Github , Postman , Docker

ACHIEVEMENTS

- Solved **800+** Problems based on Data Structures and Algorithms on *Leetcode* and *GeeksForGeeks*
- Successfully contributed to **TwentyHQ's** open-source project by resolving **issue #3420**, improving the Floating Button Icon style. *Link*

EXTRA/CO-CURRICULAR ACTIVITIES

- **Technical Team**, Codechef Chapter, GLA UNIVERSITY(Jul 2022- March 2023): Actively contributed as a **problem setter** in the technical team of Codebusters, an organization dedicated to promoting coding skills and competitive programming