

Ansh Arora

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EDUCATION

MATS University

Raipur, Chhattisgarh

BCA (Bachelor of Computer Application)

2022 – 2025

Coursework: Database Management Systems, Data Structure, Operating System, Computer Networks, Digital Computer Fundamentals

Bhartiya Vidya Bhavnas

Raipur, Chhattisgarh

CBSE XII Standard (88%)

2022

Bhartiya Vidya Bhavnas

Raipur, Chhattisgarh

CBSE X Standard (94%)

2020

PROJECTS

GenX | React, Recoil, TailwindCSS, Express.js, MongoDB

[Link](#) | [Github](#)

- Designed and developed an **AI** aggregator website where users can take advantage of **Generative AI** models to generate **Images, Beats, Text** following **3-layer architecture** with **React** and **Recoil** as front-end, **Express.js** and **Node.js** as back-end and **MongoDB** as database
- Introduced a seamless credit replenishment system utilising **Cron jobs**, ensuring automated restoration of user credits **every 24 hours**, enhancing user experience and eliminating interruptions in service
- Facilitated secure and streamlined authentication by integrating **Google authentication** using **OAuth2** client and **JWT tokens**.
- Implemented innovative strategies to enhance **negative prompt** generation efficiency, resulting in a **90% reduction** in model-generated negative prompts.
- Engineered **download functionality**, empowering users to seamlessly extract **blob** files as audio, images, and text directly from their generated prompt results. Increasing user accessibility and convenience
- Crafted **user-friendly interface** featuring **dynamic loaders, skeleton screens, and informative toasts**, and leveraging **framer motion** for creating subtle **animations**

QrPay | React, Recoil, TailwindCSS, Express.js, MongoDB

[Link](#) | [Github](#)

- Designed and developed a **payment** website to send and receive dummy money using **QR** codes with **React, Express.js** and **MongoDB**
- Engineered and implemented over **45 components** and **15+ REST APIs** facilitating seamless **user transactions** and streamlined **friend management functionalities**. Additionally, implemented **aggregation pipelines** to significantly enhance back-end response time, ensuring **rapid data processing** and improved user experiences. **MongoDB**
- Implemented a secure end-to-end payment system by leveraging MongoDB's **database transactions** while adhering to the **ACID properties**, Ensuring data integrity and **guaranteeing secure transactions**
- Developed a **QR code** system to **uniquely reference each user** and facilitate payments through QR code scanning.
- Utilized **Bcrypt encryption** to **hash** and **salt** user credentials, for securing sensitive user credentials

To-do | React, Bootstrap, Express.js, MongoDB

[Link](#) | [Github](#)

- Designed and developed a pastel theme to-do app with **CRUD** functionality with **React, Express.js** and **MongoDB**
- Implemented **pagination** and **categories** for better user experience
- Utilized **bootstrap components** to create visually appealing and accessible **UI components**

TECHNICAL SKILLS

Languages: Javascript, Typescript, Python, SQL

Frontend: HTML, CSS, React, Recoil, Redux, TailwindCSS, Bootstrap

Backend: Node.js, Express.js, Mongoose, Prisma

Database: MongoDB, PostgreSQL

Developer Tools: Git, Github, VS Code, IntelliJ, Figma, Postman, Zod