

SUMMARY

Experienced software engineer, skilled in full-stack web development, proficient in technologies like MERN, Next.js Django and MySQL.

EXPERIENCE

Full Stack Developer

Mar '24 - Present

Big Brand Bucket

Gurugram

- Building an ecommerce web application for a card printing business similar to Vistaprint, along with a portal for visa services and an online store for selling home decoration products. Utilizing **Node.js**, **React.js**, **Prisma**, **Redux**, **Next.js**, **MySQL** and **Tailwind CSS**.

Software Engineer

Dec '23 - Feb '24

Social Meds

Noida

- Fixed **CORS** error by creating a Node.js **proxy** server, adjusted **Nginx** settings, and addressed system **bugs** and **security** issues.
- Improved load time and resolved bugs of **React.js** application by implementing **code splitting**, **lazy loading** and configuring **Webpack**.
- Created a web application for invoice management with customers, integrating **PayPal API** and utilizing the **Django** Framework.
- Designed and developed a **Telegram bot** using **Node.js** for efficient group management, incorporating a user-friendly interface.

PROJECTS

Social Media Web App featuring AI Powered Multiplayer Game

Sep '23 - Nov '23

- Built features such as a Friends system, **real-time** personal and group messaging, instant **notifications**, email OTP verification.
- Car Simulation game with ADAS built with a **neural network**, device **orientation controls**, street light animations, real-time lead board.
- **Tech Stack** Django, Channels, REST, MySQL, Celery, Redis, WebSocket, Bootstrap, HTML Canvas, JavaScript, CSS [Github](#) [Game](#) [Demo](#)

XP ChatBot for Telegram Groups with Ranking System

Oct '23 - Nov '23

- A versatile chatbot with a **wide range of XP commands** to monitor and manage member rankings and levels in telegram groups.
- The bot offers a **note-taking** app, **script runner** for Python and JavaScript, OCR, news fetching, and **OpenAI** powered conversations.
- **Tech Stack** PyTelegramBotAPI, MongoDB, FastAPI, Nodejs, AWS Lambda, DynamoDB, Docker, Nginx, News API [Github](#) [Bot](#) [Demo](#)

Collaborative Whiteboard Web Application

Aug '23 - Oct '23

- A **drawing** application that enables users to register, create or join rooms, **create art together** and save their creations in **real-time**.
- Users can communicate with each other within rooms through real-time **text chat** or engage in peer-to-peer **video chat**.
- **Tech Stack** Django REST Framework, React JS, Channels, MySQL, Node.js, WebSocket, HTML Canvas, PeerJS [Github](#) [Demo](#)

Browser Extension for Keeping Bookmarks

Jul '23 - Sep '23

- A browser extension that lets users **signup** and **login** to save and access bookmarks on **multiple browsers and devices**.
- Enforced **load balancing** for backend scaling and integrated **caching** to improve performance and reduce server expenses.
- **Tech Stack** MongoDB, Express.js, React.js, Node.js, Redis, Nginx, Docker, AWS EC2, JWT [Github](#) [Demo](#)

DISSERTATION

Overview of Reinforcement Learning with Tic Tac Toe and Python

Feb '23 - Jun '23

- Built a **decision tree model** for machine learning mode, integrated a **minimax** mode and added a **player-vs-player** mode.
- Utilized **memorization**, **eliminated symmetrical states** in the minimax algorithm, and **improved runtime** efficiency by up to **97%**.
- **Tech Stack** Pygame, Numpy, Pickle, Pygbag [Github](#) [Play](#) [Demo](#)

KEY SKILLS

• React.js • Node.js • MySQL • Python • Django • MongoDB • Robotics • A.I • Git • GraphQL • Data Structures • Algorithms

EDUCATION

B.Sc. Hons. Electronic Science | SGTBK Delhi University (2023)

Class 12 CBSE | Dayawati Modi Academy Meerut (2020)