

SUMMARY

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

EXPERIENCE

Software Engineer

Mar '24 - Present

Big Brand Bucket

remote

- Developing 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**, **MySQL** and **Tailwind CSS**.

Freelance Software Developer

- Fixed **CORS** error by creating a Node.js **proxy** server, adjusted **Nginx** settings, and addressed system **bugs** and **security** issues.
- Improved load time and solved bugs of **React.js** application by implementing **code splitting**, **lazy loading** and configuring **Webpack**.
- Developed a Telegram bot with **Node.js** for group management and message **scheduling**, featuring a **user-friendly** interface.
- Developed a web application for sending invoices to customers using **PayPal API** and **Django Framework**.

PROJECTS

Social Media Web App featuring AI Powered Multiplayer Game

- Developed 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

- 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

- 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

- 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

- 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**, **Pythag** [Github](#) [Play](#) [Demo](#)

KEY SKILLS

• Python • Django • MySQL • React • Node.js • MongoDB • GraphQL • Git • Docker • Data Structures • Algorithms

EDUCATION

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

Class 12 CBSE | Dayawati Modi Academy Meerut (2020)

Class 10 CBSE | Dayawati Modi Academy Meerut (2018)