✉ varunshrivastav36@gmail.com

☎ 7456034379

○ Github

Varun Shrivastav
Software Engineer

SUMMARY

Skilled Full Stack Web Developer, Immediate joiner with great analytical and problem-solving skills and ability to learn and adapt quickly.

EXPERIENCE

Software Engineer   Present

Big Brand Bucket   remote

- Developing full-stack web apps with **Node.js**, **React.js**, **Redux**, **Tailwind**, **Prisma**, and **MySQL** to ensure a seamless user experience.

Freelance Software Developer

Upwork

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

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)