✉ varunshrivastav36@gmail.com

📞 7456034379

🐙 Github

Varun Shrivastav
Full Stack Developer

SUMMARY

Skilled full-stack developer specialized in the MERN stack. Immediate joiner, passionate about building efficient and scalable applications.

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   Sep '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   Oct '23 - Dec '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   Sep '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   Jul '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   Jun '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)