Vaibhav Dasharathe

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Senior Software Engineer with 2 years of experience in Web development and Artificial Intelligence. Developed 10+ React.js projects and full-stack Solutions alongside working on several parallel projects.

Experience

Tata Elxsi   **Jul 2022 – Present**
Senior Engineer - Full-Time   *Banglore, India*

- Developed a scalable **Next.js** App to provide a centralized dashboard for monitoring and managing GPU/data resources, offering granular role-based-access controls and plug-and-play device integration for enhanced **security and efficiency.**
- Worked collaboratively with **Unity** team ensuring seamless integration of features and tasks, meeting project deadlines.
- Integrated **ChatGpt** with prompt-making **React** App offering speech recognition and translating in multiple languages
- Implemented a high-performance **gRPC** framework to facilitate communication between **Unity** and a **Python** backend, utilizing **Jupyter** and **Docker**, enabling the exchange of complex data structures and **real-time** updates.

Tata Elxsi   **Aug 2021 – May 2022**
Machine Learning Intern   *Banglore, India*

- Trained Custom Segmentation model on Recorded Video footage to detect footpaths for **Last Mile Delivery Robots**.
- Designed end-to-end (**Warehouse To Delivery Location**) path planning algorithm in **C++** to deliver in min time.
- Implemented Multi-Robot Cloud Architecture on **Kubernetes** to test Cluster network communication for robots.

Projects

Admin-Io | *React.js, NodeJS, MongoDB and Express, Netlify* | 🔗 Preview   **June 2020 - Present**

- Multi-Fuctional Dashboard App for Writing stories, Automating Events, Developing Fictional Characters, Managing Tasks, Tracking and notifying minor/major/important memories and logging/monitoring of periodic tasks and Events
- Integrated Ultimate Search Feature to get all types of relatable content with details and insights in a single search.
- More than 3 years into the development and Implemented 100+ Utilities in one App so far.

MusicAi | *React.js Node.js Electron Windows* | ⚙ Code   **June 2023**

- React and Electron-based Windows Application for auto-generating personalised Mashup songs Or Infinite loop songs
- Automatically Extract Vocals only regions from songs and Demixes song in upto 4 channels Vocals, Bass, Drums, Others

CodeBase | *React.js, NodeJS, MongoDB and Express, Vercel* | 🔗 Live | ⚙ Code   **Feb 2022**

- Codebase helps users to save multiple solutions for the same problem with different space-time Complexity Or Approach
- Users can Update problem description/solutions with text editor and features like syntax Highlighter and Text Search.

Whatsapp Bot | *Puppeteer, Google Custom Search Api, google Cloud* | **Oct 2022**

- Search Google images in chat and get **chatGpt (turbo 3.5)** response on WhatsApp groups with just one text message.
- Real-Time MongoDB connection to WhatsApp. Get Access to data stored in MongoDB servers Or upload using chat.

Achievements

- Secured Top 10 Position over 450+ Teams across All India in **E-Yantra Robotics Competition 2021 by IITB.**
- Solved/Practiced 300+ Data Structure and Algorithm problems across platforms [**Leetcode, CodeChef, GFG**]

Technical Skills

Languages: C/C++/C-Sharp, Python, HTML/CSS, JS, Typescript, SQL
Full-Stack: Next.JS, React.JS, Electron, Express, MongoDB, MySQL, NodeJs, DJango, FastAPI .
Technologies: Docker, Git, Ubuntu, Kubernetes, Unity 3D, gRPC, Tensorflow, OpenCV, GCP

Education

Vishwakarma Institue of Technology, Pune   **August 2018 - June 2022**
Bachelor of Technology (CGPA of 7.94)   *Pune, India*

Certificates/Courses

- Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning - **Coursera-Aug 2020**
- Google AI — Explore ML Completion Certificate -**DSC VIT,Pune Dec 2019**