

VAIBHAV DASHARATHE

Pune, Maharashtra, India

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Software Engineer with 2 years of experience in Web development and Artificial Intelligence. Worked on 10+ React.js projects and full-stack applications.

Experience

Tata Elxsi

Jul 2022 – Present

Software Engineer - Full-Time

Bangalore, India

- Developed a Next.js Dashboard App to monitor and manage access to GPU resources across the users.
- Developed a React app Integrating **ChatGpt** with speech recognition and translation features implementing Behaviour Trees Approach to get done the instructive tasks.
- Implemented a **gRPC** framework, connecting to Python-Backend with AI capabilities using **Docker**.
- Worked on semantic segmentation tasks using **tensorflow**, OpenCv and python for autonomous driving.

Tata Elxsi

Aug 2021 – May 2022

Machine Learning Intern

Bangalore, India

- Comparative study done on different path Planning Algorithms suitable for Autonomous Vehicle Driving in Indoor and Outdoor Environments, Coded (in C++ and python) and **Optimised** for same.
- Worked on Last Mile Delivery Robots. Trained Custom Segmentation model on Actual Video to detect footpaths.
- Designed end-to-end (Warehouse To Home) path planning algorithm in C++ to deliver items straight from the Warehouse to the Delivery location in minimum time.
- Implemented Multi-Robot Cloud Architecture on Kubernetes to test Cluster network communication for robots.

Projects

MusicAi | *React.js Node.js Electron Windows* | 🐙 [Code](#)

June 2023

- React and Electron based Windows App for autogenerating personalised Mashup songs
- Automatically Detect Vocals only regions and demixes song up to 4 channels Vocals, Bass, Drums, Other.

CodeBase | *React.js, NodeJS, MongoDB and Express, Vercel* | 🔗 [Live](#) | 🐙 [Code](#)

Feb 2022

- Codebase helps user to save multiple solutions for same problem with different space and time complexity or approach.
- User can add/edit problem description with text editor space and code syntax Highlighter.

Whatsapp Bot | *Puppeteer, Google Custom search Api, google Cloud* |

Oct 2022

- Search Google images and get **chatGpt (turbo 3.5)** response on WhatsApp groups with one text message.
- Real-Time access to MongoDB through whatsapp bot with CRUD actions possible.

Achievements

- Secured Top 10 Position over 450+ Teams across All India in **E-Yantra Robotics Competition 2021** by IITB.
- Jee Mains (2018) Qualified With All india Rank - 64169.
- Solved/Practiced 300+ DSA problems across platforms[[Leetcode](#), [CodeChef](#), [GFG](#)]

Technical Skills

Languages: C/C++/C-Sharp, Python, Java, HTML/CSS, JS, Typescript, SQL

Full-Stack: Next.JS, React.JS, Electron, Express, MongoDB, MySQL, NodeJs, Tensorflow, OpenCV.

Technologies: Docker, Git, Ubuntu, Kubernetes, Unity 3D, gRPC.

Education

Vishwakarma Institue of Technology, Pune

August 2018 - June 2022

Bachelor of Technology (CGPA of 7.94)

Pune, India

AUBHS Jr. College, Pune

August 2016 - June 2018

10+2 Science

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**