

# VAIBHAV DASHARATHE

Pune, Maharashtra, India

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Software Engineer with 2 years of experience in Web development and Artificial Intelligence. Developed 10+ React.js projects and full-stack Solutions along side worked on several personal projects.

## Experience

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### Tata Elxsi

Jul 2022 – Present

*Software Engineer - Full-Time*

*Banglore, India*

- Designed and Developed **Next.js** Dashboard App to monitor and manage role-based access to **GPU** and data resource.
- Integrated **ChatGpt** with speech recognition and translation to make React Application available in foreign language.
- Implemented **Behaviour Trees** Approach to automate the finite machine's instructive tasks having access to ChatGpt.
- Implemented **gRPC** framework connecting Unity and leveraging **Python**-Backend with **Jupyter** using **Docker**.

### 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

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### Admin-Io | *React.js, NodeJS, MongoDB and Express, Netlify* | 🔗 [Preview](#)

June 2020 - Present

- Multi-Functional 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 same problem with different space and 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

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- 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+ Data Structure and Algorithm problems across platforms [ [Leetcode](#), [CodeChef](#), [GFG](#) ]

## Technical Skills

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**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

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### 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

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- 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**