

Avadhoot Khedekar

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Professional Experience

Zeus Learning Pvt. Ltd.

Software Engineer

Oct 2021 – Present

- ▶ Enhanced G-classroom grading process, by intergrating *annotate* browser plugin using **pure JavaScript, React**, and **Google's REST APIs**, supported for PDFs, and is synchronized with *annotate* web app using **PHP, Node.js**.
- ▶ Integrated *annotate* plugin with Canva using **JavaScript**, improving user experience with multi-slide webpages by developing responsive slide-specific sticky annotations with save feature.
- ▶ **Reduced API calls by 15%** for remote document upgrade by introducing version system for PDFs using **PDFium**.
- ▶ **Reduced client-server queries by 8%** by applying batch conversion to files and restructuring requests flow.
- ▶ Collaborated in features as file export, google authorization, PDF manipulations using **C#, Node.js, PHP, SQL**.

Brandyse Media Pvt. Ltd.

Front-end engineering intern

May 2020 – Aug 2020

- ▶ Worked with a team of two designers to build a marketing website primarily in **HTML5, CSS3, Bootstrap, JavaScript, JQuery** to increase the customers reach.
- ▶ Tested site in various browsers to ensure cross-browser compatibility and mobile responsiveness.

RoboRise Technologies Pvt. Ltd.

Technical intern and workshop instructor

Dec 2019

- ▶ Implemented an **algorithm in C++** for the walking mechanism of an **Arduino based Quadraped robot**.
- ▶ Assisted in managing the workshop and taught the basics of **C++** language to **35+ attendees**.
- ▶ Developed and deployed company's responsive website www.robtorise.in with **HTML, CSS, JavaScript**.

Personal Projects

Personal Website

live | GitHub

- ▶ Developed using **HTML, CSS, Bootstrap** and **JavaScript**, and is responsive across all media devices.
- ▶ Lighthouse audit rating above **80/100** in performance, accessibility, SEO by **optimizing FCP** and **lazyload media**.

TrackkMyMoney – an Expense Tracker

live | Demo | GitHub

- ▶ A web-app, built with **React.js** for client side, **Node.js** for server APIs and **MongoDB ATLAS** cloud database.
- ▶ User can **CRUD** expenses with images, wherein images are securely stored in a remote **Cloudinary** bucket.
- ▶ Incorporates features as filters, tracking multiple wallets for transactions, monthly insights using **Chart.js**, export as Excel sheet using **xlsx** package and real-time currency converter is implemented using **Fixer.io API**.

Maze Solver

Demo | GitHub

- ▶ A python application that accepts a binary grid-maze in image format and provides an optimal solution.
- ▶ The maze is analyzed with **openCV python** and generates the solution by applying **A(star) algorithm**.

Education

Rajiv Gandhi Institute of Technology, Mumbai University

May 2021

Bachelor in Computer Engineering

CGPA 9.37/10

- ▶ **Courses:** OOP, Algorithms and Data structures, Operating systems, RDBMS, Computer architecture.

Skills

Languages: C, C++, C#, JavaScript, TypeScript, Python, Java, PHP, HTML, CSS.

Technologies: React.js, Node.js, MySQL, MongoDB, SCSS, REST API, Git, Linux.

Achievements

- ▶ Solved **250+** problems on LeetCode and GFG, achieved **5 stars** on Hackerrank, institute rank of **13/468** on GFG.
- ▶ Published an article on **optimizing images in a webpage** on Medium platform. (Visit)
- ▶ Collaborated with a team of 30+ students to conduct multiple **robotics workshops** in the institute, participated in various **coding hackathons** and robotics related **inter-college** and **national competitions**.