

Mihir Achyuta

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EDUCATION

University of Wisconsin Madison,

12/2023 | Madison, WI

Bachelors of Science In Computer Science

Relevant Coursework: Data Structures, Intro to AI, Intro to Combinatorics, Linear Algebra, Multivariable Calculus, Calculus 1/2

EXPERIENCE

Hardly, Software Engineering Intern

05/2021 – 08/2021 | Remote

- Worked on a productivity app that prioritizes 1000's of notifications to improve remote work productivity
- Built and integrated 5+ React and ChartJS UI's into production and styled them with Tailwind CSS
- Migrated the old Electron React and TypeScript code into the new React.js app and established the new local component library of over 7 components
- Devised a Tailwind styled UI in Electron for users to input multiple CSV datasets and dynamically displayed the sentiment-analyzed data, highlighting important keywords

First Tech Challenge, Java Programmer

08/2020 – 04/2021 | San Jose, CA

- Educated the programming cohort using a condensed version of the AP Computer Science A curriculum, covering object oriented programming concepts in Java
- Oversaw changes to the codebase using Git and Github and implemented the controller-driven and autonomous robot code from scratch using the FTC Software Development Kit
- Maximized the number of points scored per match using the TensorFlow Lite model to dynamically guide the robot based on the number of rings present on the field

PROJECTS

CATastrophe, TypeScript, AWS(EC2/RDS), GraphQL, React Native, Node, MySQL, UI Kitten, Jest [🔗](#)

- Engineered an Expo hosted React Native app that motivates the user to focus for the reward of a cat image
- Stored the user's JWT token from the AWS EC2 hosted Apollo Server in AsyncStorage for user auth
- Utilized Prisma to fetch and store user and task data from the MySQL RDS instance for Apollo Server

PaletteBuds, TypeScript, React, Redux, Node, Express, MongoDB, Material-UI [🔗](#)

- Deployed a React + Redux web application on Netlify allowing users to create color palettes
- Leveraged Material UI and SASS components for styling and React Router to generate palette routes
- Fetched original palette data for users in the MongoDB Atlas Cluster with an Express server on Heroku

DSAPlayground, TypeScript, Node, Express, Firebase, Docker, NPM, Qovery [🔗](#)

- Launched a TypeScript and Node Command Line interface available and hosted as an NPM package
- Preserved over 5 data structures using Firestore and exposed operations on them with a RESTful API
- Dockerized the Express based server and deployed it on a Qovery instance for production

FontBlurbs, TypeScript, Next.JS, MongoDB, Mongoose, Tailwind CSS [🔗](#)

- Spearheaded a Vercel deployed Next.js web application that makes creating font pairings easier
- Implemented persistent email/password + Google OAuth auth with PassportJS using Next.js's API feature
- Stored pairings in a MongoDB Atlas Cluster and displayed categorized data with the Mongoose ORM

SKILLS

Languages/Libraries (Java, TypeScript, JavaScript, Node, SQL(MySQL), React(JS/Native), HTML/CSS, SASS),

Frameworks (Apollo GraphQL, Firebase, MongoDB, Express, Next.js, Tailwind CSS, Material-UI, UI Kitten),

Tools (Git, AWS(EC2, RDS), Docker, Mongoose, Prisma, Jest, Heroku, Netlify)

AWARDS

1st Place and Most Innovative Project, Evergreen Valley Programming Club Hacks

Best Beginner Project, Dougherty Valley Hacks