Mihir Achyuta

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Education

University of Wisconsin Madison — Madison, WI
Bachelors of Science in Computer Science — 2025
- Relevant Coursework: Data Structures, Computer Science 101, Linear Algebra, Calculus 1-3

Experience

Hardly — Remote
Software Engineering Intern — May 2021 - August 2021
- Worked on a productivity web app that prioritizes notifications to improve remote work productivity
- Built and integrated React and ChartJS UI's into production and styled respective components with Tailwind CSS
- Queried PostgresSQL data for the UI in an AWS connected app and built out integrations with Discord, Facebook, and Jira API's
- Devised a UI for users to input multiple CSV datasets and dynamically displayed the sentiment analyzed data highlighting important keywords

First Tech Challenge — San Jose, CA
Java Programmer — August 2020 - April 2021
- Educated the programming cohort using a condensed version of the AP Computer Science A curriculum covering introductory data structures and 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 default TensorFlow Lite model to dynamically guide the robot based on the number of rings present on the field

Projects

PaletteBuds — Personal Project
TypeScript, React.js, Node.js, Express, MongoDB, Material-UI
- Created a web application which allows users to create stylish color palettes with a React and Typescript Frontend deployed on Netlify
- Modularized Material UI and SASS components to style the website and React Router to dynamically generate palette routes for users to view
- Fetched palette data on the home page with an Express server deployed on Heroku using Mongoose with MongoDB and hosted the database online via a MongoDB Atlas Cluster

FontBlurbs — Personal Project
TypeScript, EJS, Node.js, Express, MongoDB, Tailwind CSS
- Allowed users to create and store blurbs with various fonts and design options and visualize their creation with EJS client side
- Implemented email/password + Google OAuth authentication with PassportJS using a Node and Express server deployed on Heroku
- Stored blurbs in a MongoDB Atlas Cluster and displayed user specific data in their dashboard once authenticated

OpenInder — Personal Project
React.js, Firebase, Firestore, Material-UI
- Built a Minimum Viable Product within 36 hours which Combined Open Source and Tinder together to match up people with dream Open Source Projects
- Integrated the queried Firestore data from Firebase into the application in the form of a card and allowed users to swipe left/right on their favorites and delete disliked projects

TrieCLI — Personal Project
Node.js, Express, NPM
- Developed a trie system hosted online with a global state that supports multiple concurrent users
- Enabled users to add, delete, search, and autocomplete words in the trie via a CLI downloadable via NPM
- Rebuilt dynamic trie data stored in JSON and accepted CLI HTTP requests on an Express server deployed to Heroku

Skills

Languages and Libraries	Java, TypeScript, JavaScript, Node, SQL(MySQL), React(JS/Native), HTML/CSS, SASS
Frameworks	Firebase, Firestore, MongoDB, Express, Tailwind CSS, Material-UI, Chakra UI
Tools	Git, Heroku, Netlify

Honors & Awards

2021	**1st Place and Most Innovative Hack**, Evergreen Valley Programming Club Hacks	CA
2021	**Best Beginner Hack**, Dougherty Valley Hacks	CA