ABHINAV M

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EDUCATION:

California State University, Chico   **Aug 2021 - May 2023**
Master's Science in Computer Science   **GPA 3.7**

SKILLS:

- **Programming Languages/ Object Oriented Programming**: JavaScript, TypeScript, Python, C++, and Java.
- **Web/Mobile Technologies and Libraries:** HTML5, CSS3, Bootstrap, Chakra-UI, Material-UI, TailwindCSS, SCSS, SASS, Styled Components, JQuery, AngularJS, Angular, React, React-Native, GatsbyJS, NextJS, Flask, Django, Astro, Redux, NodeJs, ExpressJS, REST APIs, Jest, GraphQL, FireBase, JWT authentication, OAuth, web-sockets.
- **Databases:** MongoDB, MySQL, SQL, and NoSQL.
- **Cloud:** AWS, Google Compute Engine, and Docker.
- **CI/CD and Version Control:** Git, GitHub, GitHub Actions and Atlassian (Bit-bucket and Jira).
- **User Interaction, User Experience and Design Thinking:** Intermediate.
- **Design Tools and Software:** Adobe Illustrator CC, Adobe Photoshop CC, Adobe XD (Prototyping), Figma and Keynote.
- **Machine Learning:** Pandas, NumPy, SKLearn, Matplotlib, Seaborn, OpenCV.

WORK EXPERIENCE:

Instructional Student Assistant, California State University, Chico   **September 2021 - May 2023**
- Demonstrated effective communication skills while tutoring Computer Science subjects such as Programming using C++, Object Oriented Programming, Machine Learning, Web Development etc, and Mathematics subjects such as calculus, trigonometry, algebra, etc to students.
- Developed and executed in-depth timelines to support with test review and examination preparation.

Software Engineer, Zyppys   **July 2019 - July 2021**
- Applied knowledge gained from Interaction Design Foundation certifications to design and prototype dashboards and mobile applications.
- Developed 2 responsive web applications/ dashboards that improved response time to customers using GatsbyJS, integrated REST APIs using Axios and managed application state using Redux.
- Adopted to changing requirements of the company and built 3 multi-platform mobile applications using React-Native.
- Achieved 30% improved user traction by prototyping and developing various robust features on mobile applications such as travels reels and mindfulness video catalog.
- Coordinated with the backend team to design REST APIs with changing requirements.
- Wrote extensive unit tests, smoke tests, maintained code on BitBucket, and tracked issues on Jira.
- Deployed frontend applications on Netlify with CI/ CD and used docker for containerization.
- Adhered to design patterns & best practices to write and document code in an agile environment.
- Technology Stack: ReactJS, React-Native, GatsbyJS, Redux, React Table, Styled Components, Spring-Boot, Git, AWS.

Full-Stack App Developer, T Works Foundation   **May 2018 - May 2019**
- Demonstrated the ability to learn, unlearn and relearn by adapting to fast changing requirements of the state run start-up.
- Helped in designing and developing an internal hardware sourcing tool/ inventory management application using MEAN stack.
- Maintained the code and tracked issues on BitBucket.
- Participated in various stakeholder meetings to understand the requirements and come up with potential solutions.
- Cultivated the mindset of a start-up to constantly learn and focus on the user centric product.
- Technology Stack: AngularJS, BootStrap, Pug Template, NodeJS, ExpressJS, Git.

ACADEMIC PROJECTS:

- PantryNode Migration [MERN, GitHub Actions CI/CD, Docker, Jest, Linter configuration, TypeScript, Code Reviews, Pair Programming, Documentation]
- Face Recognition [OpenCV, C++, NVIDIA Jetson]
- Garage Sale Web Application [NextJS, GatsbyJS, ChakraUI, React Hooks, ExpressJS, MySQL, AWS]
- Tic Tac Toe (online two player game) [Django, redis, channels (web-sockets), Docker, Google Compute Engine]
- Collegium https://github.com/AbhinavReddy-Dev/collegium
- Predicting El Niño/ La Niña https://github.com/AbhinavReddy-Dev/El-Nino-La-Nina-Prediction
- Global Sea Level Prediction https://github.com/AbhinavReddy-Dev/globalsealevel

CAMPUS INVOLVEMENT:

Chico Rocketry and Aerospace Club   **Aug 2021- May 2023**
Chico State Rowing Club   **Aug 2021 - Dec 2021**

VOLUNTEER WORK:

Activity Advisor- Saanthwana, NGO   **2017 - Present**
Vice President- Sangamitra Seva Samithi, NGO   **2019 - Present**