ABHINAV M

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EDUCATION:

California State University, Chico **2021 - 2023**

Master's Science in Computer Science   GPA 3.7/4.0

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, Redux, NodeJs, REST APIs, Jest, GraphQL, FireBase, JWT authentication, OAuth, and web-sockets.
- **Frameworks:** AngularJS, Angular, React, React-Native, GatsbyJS, NextJS, Flask, Django, ExpressJS, and Astro.
- **Databases:** MongoDB, MySQL, SQL, and NoSQL.
- **Cloud Technologies:** AWS, Google Compute Engine, Azure, and Docker.
- **CI/CD and Version Control:** Git, GitHub, GitHub Actions, and Atlassian (Bit-bucket and Jira).
- **Interaction Design Foundation:** 6 certifications (beginner and intermediate).
- **Design/Prototyping Tools and Software:** Adobe Illustrator CC, Adobe Photoshop CC, Adobe XD (Prototyping), Figma, and Keynote.
- **Machine Learning:** Pandas, NumPy, SKLearn, Matplotlib, Seaborn, and OpenCV.

WORK EXPERIENCE:

Instructional Student Assistant, California State University, Chico **2021 - 2023**
- Demonstrated effective communication skills in 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, Doctorite and Zyppys **2019 - 2021**
- Applied knowledge gained from Interaction Design Foundation certifications to design, prototype and develop dashboards and mobile applications, with a focus on web development.
- Developed 2 responsive dashboards that significantly improved response time to customers and resource management. Utilized GatsbyJS to enhance performance, integrated REST APIs using Axios, and effectively managed application state using Redux.
- Adopted to changing requirements of the company and built features in 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.
- Collaborated closely with the backend team to design REST APIs, accommodating changing requirements and ensuring smooth communication between the frontend and backend components.
- Wrote extensive unit tests and smoke tests to maintain high code quality, leveraging tools such as BitBucket for code management and Jira for issue tracking.
- Deployed frontend applications on AWS with continuous integration and deployment (CI/CD), ensuring efficient and automated release cycles. Utilized Docker for containerization, facilitating consistent deployment across various environments.
- Adhered to industry-standard design patterns and best practices to write clean, maintainable code in an agile environment. Documented code to ensure effective collaboration and knowledge transfer within the development team.
- Technology Stack: HTML, CSS, SASS, ReactJS, React-Native, GatsbyJS, Redux, React Table, Styled Components, Spring-Boot, Git, AWS, S3.

Full-Stack App Developer, T Works Foundation **2018 - 2019**
- Demonstrated the ability to learn, unlearn, and relearn by successfully adapting to fast-changing requirements within a state-run start-up environment.
- Played a key role in designing and developing an internal hardware sourcing tool and inventory management application using the MEAN stack (MySQL, Express.js, AngularJS, Node.js). This application facilitated efficient management of hardware inventory and streamlined the sourcing process.
- Took ownership of maintaining the codebase and effectively tracked issues using BitBucket, ensuring a smooth development process and timely issue resolution.
- Actively participated in stakeholder meetings to understand requirements, gather feedback, and collaboratively devise potential solutions, contributing to the development of user-centric products.
- Cultivated a startup mindset, embracing a continuous learning approach to stay updated with industry trends and advancements, while always prioritizing the needs of the end-users.
- Technology Stack: HTML, CSS, AngularJS, BootStrap, Pug Template, NodeJS, ExpressJS, MySQL, Git.

ACADEMIC PROJECTS:

- PantryNode Migration https://github.com/ChicoState/PantryNode
- Face Recognition **[OpenCV, C++, NVIDIA Jetson]**
- Garage Sale Web Application: GatsbyJS vs NextJS **[NextJS, GatsbyJS, ChakraUI, React Hooks, ExpressJS, MySQL, AWS]**
- Tic Tac Toe (online multi-player) **[Django, Redis, Django Channels, Docker, Google Compute Engine]**
- 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