ABHINAV R. MERUGU

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EDUCATION:

California State University, Chico — **Graduating in May 2023**
Master's Science in Computer Science — **GPA 3.7**

SKILLS:

- **Programming Languages**: JavaScript, TypeScript, Python, C++ and Java.
- **Web and Mobile Application Development:** HTML, CSS, Bootstrap, Chakra UI, Tailwind CSS, Styled Components, AngularJs 1, ReactJS, React-Native, GatsbyJS, NextJS, Django, ChartJS, Redux, NodeJs, ExpressJS, Flask, REST APIs, Jest (Front-End Testing), GraphQL, FireBase, JWT authentication, OAuth, web-sockets, MongoDB, SEO optimization, Google Analytics, SQL and MySQL.
- **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 - Present**
- Demonstrated effective communication skills while tutoring Computer Science and Mathematics 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 courses to design admin dashboards for better visualization of data.
- Developed user interface for CRUD operations on frontend while integrating REST APIs.
- Adopted to changing requirements of the company and learned to build multi-platform mobile applications.
- Prototyped and developed features on various mobile applications.
- Coordinated with the backend engineers to design REST APIs.
- Wrote extensive tests and performed manual testing from user's perspective
- Maintained code on BitBucket and tracked issues on Jira.
- Adhered to design patterns & best practices to write and document code.
- 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.
- 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:

- 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
- Face Recognition [OpenCV, C++, NVIDIA Jetson]
- Garage Sale Web Application [NextJS, GatsbyJS, ChakraUI, React Hooks, ExpressJS, MySQL, AWS]
- Tic Tac Toe (online two player) [Django, redis, channels (web-sockets), Docker, Google Compute Engine]

PERSONAL / FREELANCE PROJECTS:

- CA Aishwarya Agarwal and Co. https://atagarwalandcompany.netlify.app
- Rotaract Club of Hyderabad. https://rachyderabad3150.netlify.app
- Another To-do app. https://github.com/AbhinavReddy-Dev/reactapp

CAMPUS INVOLVEMENT:

Chico Rocketry and Aerospace Club — **Fall 2021- Present**
Chico State Rowing Club — **Fall 2021**

VOLUNTEER WORK:

President- Rotaract Club of Hyderabad — **2018 - 2019**
Vice President- Sangamitra Seva Samithi, NGO — **2019 - 2021**
Activity Advisor- Saanthwana, NGO — **2017 - 2021**