

Pruthvi Nagaraj

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Summary

Front-end developer with 6+ years of experience and a master's degree in Media Informatics, specializing in creating intuitive, high-performance applications across web, mobile, and desktop platforms. Proven track record of collaborating with cross-functional teams and adapting to evolving technologies.

Work Experience

Research Assistant, CIX Group, Saarland University

May 2023 - Oct 2025

Stack: React, Redux, REST APIs, FastAPI, MySQL, Plotly, Chart.js, Nginx, Jest, Figma

- Designed and developed a full-stack typing test application, handling end-to-end development from **planning** through **deployment** and maintenance
- Built an **experimenter dashboard** to analyze typing test results, with data filtering and **visualization**

Student Intern, KL Healthcare Solutions GmbH, Potsdam

Mar 2023 - Jul 2023

Stack: React, Electron, React Native, Expo, Redux, REST APIs, AWS S3, Docker, Figma

- **Designed** and **developed** the initial version of the **GUI** for the EasyMedBox medication box
- Contributed to **UI improvements** for the EasyMedBox **Mobile App**, integrated cloud-based access to medication plans, and **developed** a reminder **notification system**

Software Engineer, Celstream Technologies Private Limited, Bangalore

Oct 2019 - Oct 2021

Stack: React, Electron, Redux, REST APIs, Node.js, AWS (S3, EC2, Cognito), API Gateway, Jest

- Developed an **image processing desktop application** from scratch. Integrated **authentication workflow**, built **complex UI features** using advanced CSS, improved **application performance** through code optimizations
- Led **end-to-end development** of a subscription management system and integrated payment gateway for a smart home product line
- Adapted an online tutoring mobile application for web platforms. Implemented **responsive design**, **cross-device compatibility**, and real-time push notifications

Software Engineer, Moonraft Innovation Labs, Bangalore

Nov 2018 - Jul 2019

Stack: React, Redux, REST APIs, Node.js, JavaScript, HTML, CSS, Styled Components

- Developed **reusable React components** and integrated **REST APIs**. Collaborated with customers, designers, and backend teams for an investment banking web application
- **Improved user experience** by resolving cross-browser CSS issues and **standardizing UI components**

Application Development Associate, Accenture Solutions, Bangalore

Jun 2017 - Aug 2018

Stack: HTML, CSS, JavaScript

- Customized and enhanced UI features for a nonprofit educational testing website

Projects

Typing Interventions (Master Thesis)

Nov 2023 - Nov 2024

- **Designed** and **built** a **typing practice system** and **conducted** a **user study** to evaluate its effectiveness

Education

Saarland University, Germany, M.Sc. in Media Informatics

Oct 2021 - Mar 2025

The National Institute of Engineering, India, B.E. in Information Science

Aug 2013 - Jul 2017

Skills

Technical Skills: HTML, CSS, JavaScript, TypeScript, React, Redux, REST APIs, Electron, React Native, Jest, AWS, Node.js, Next.js, FastAPI, MySQL, Babel, NPM, Webpack, Plotly, D3.js, Chart.js, Tailwind CSS, Material UI, Styled Components, Figma, Docker, Git

Languages: English (C1), German (A1), Kannada (Native)