

Subhash Sarangi

subhashsarangi9@gmail.com

Mobile: +91-8919047064

Portfolio: subhash3.github.io/
linkedin.com/in/subhash-sarangi/

EDUCATION

Integrated MTech in Computer Science (CGPA: 8.23/10)

2017-2022

University of Hyderabad

- Published a thesis titled "*Understanding Visuo-Textual reasoning*" under the mentorship of Prof. Vineet Padmanabhan.
- Throughout the dissertation, explored the status, aspects and limits of the visuo-textual reasoning models and provided insights into how these models fail to perform in real-world applications
- Built *VQAR Analyzer*, a web application that lets users feed the models with adversarial questions and collects the feedback for further analysis

SKILLS

Languages Typescript/JavaScript, Python, C/C++, Bash, C#
Tools GIT, Redux, \LaTeX , Docker, Playwright

Frameworks MERN, Dotnet
Platforms Linux, Web

WORK EXPERIENCE

Software Engineer, GE Vernova, Bangalore, India

August 2022 – Present

- **Asset 360**
 - Contributed to the development of Asset 360, a micro-application built with **React** that offers insights into selected assets through configurable dashboards
 - Fully automated end-to-end testing using **Playwright**.
- **APM Datasheet**
 - Part of the team in revamping the legacy code base using **React**, *Redux*, and **Lit**.
 - Established the entire CI/CD pipeline for the Datasheet project to build, test, and deploy the application to npm using **Jenkins**.
- **DEX Design System**
 - Co-authored DEX, a modular design system with over 70+ reusable UI components built using **LitElement**, adopted across various internal products, significantly accelerating front-end development.
 - Established component-level automation testing using **Playwright**, improving quality and reducing integration bugs by 40%.
- **KLO**
 - Worked on various aspects of the Asset Performance Management application, including fixing existing defects and providing support for the team throughout various releases.
 - Implemented Tiny Store, a minimal redux-like state management tool
 - Developed a generic HtmlToPDF library capable of printing web pages with proper handling of page breaks. Adopted across 5+ module teams.
 - Automated a significant amount of tests reducing the manual testing effort by 85% during regression cycles.

Digital Technology Intern, GE Vernova

January 2022 – July 2022

- Designed and developed a fully customisable and interactive dashboard using **React.js**, enhancing the user experience and enabling efficient data visualization and monitoring for Industrial Data Diagnostics.
- Conducted extensive research on various data ingestion solutions, evaluating their feasibility and effectiveness. Built and tested multiple prototypes to ensure optimal performance and integration with the existing system, facilitating smooth and efficient data ingestion.

ADDITIONAL INFORMATION

- **'Impact Award' winner at GE.**
One of the awardees of the "Impact Award" under the category of "Deliver with Focus" during the Engineering Recognition Day, 2023 at GE
- **Winner of hackmakers' #buildwithai hackathon.**
Bagged the first rank among 4500 participants in Predictive Algorithm Challenge.
- **Codechef Certified Programmer.**
Qualified the CodeChef CCDSAP certification test.
- **Code-In-Lockdown AIR 10 Holder.**
Secured 10th position in the national level 15 days coding challenge conducted by IEEE Kerala and IEEE FISAT SB.
- **HCL #betterhealth #codeforcovid19 hackathon semi-finalist.**
One of the top 32 teams among 7500 participants in the hackathon conducted by HCL.
- Given the title of "Intern of the Year(2020)" at The YoungMinds