Prerna Rao V

GE Healthcare,
Bangalore

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EDUCATION

PES University, Bangalore   *Aug 2016 - May 2020*
B.Tech in Computer Science and Engineering - Add spec
CGPA: **8.41**/10
🏆 Prof. CNR Rao Scholarship

WORK EXPERIENCE

GE Healthcare, Bangalore   *Sep 2020 - Present*
Software Engineering Specialist
Domain: Clinical Imaging, Application Development
Description: Web-based application for viewing and manipulating diagnostic images through a UI.
Technologies: Java, JavaScript, KnockoutJS, Testing, VS Solutions, Shell Scripts

GE Healthcare, Bangalore   *Jan 2020 - Aug 2020*
Software Engineering Intern
Domain: Web/Mobile App Development
Description: Internal web applications to access and manage customer and installed base data.
Technologies: React, Node.js, ES6, Java, SpringBoot, Predix PolymerJS

PROJECTS

GE Healthcare

3. **Universal Viewer - Zero Footprint**
   Aims to improve operational efficiency, collaboration, and timely care for patients. Contributed....

2. **Unified Customer Master - Know Your Customer**
   - Developed a React based bolt-on Front End/UI to improve the quality of access and usability
   of customer data at GE Healthcare.
   - Owned and executed development of workflows within the application, and built 9 reusable UI components.

1. **Installed Base Repository**
   - Web-based application for install base data. Contributed....

PES University

1. **Sketch2HTML: Image Recognition based HTML Generator**
   Mentor: Prof. Vidhu Rojit
   Technologies: HTML, Machine Learning, Flask, OpenCV, Selenium Web Driver
   - Developed a web application to convert a hand-drawn image/wireframe into an HTML webpage.
   - The motive was to build an easy and open source method to generate basic downloadable and usable HTML pages.
   - Used the basics of wireframing, machine learning and image processing techniques to parse and process the images.

VOLUNTEER EXPERIENCE

- **Project Sitara**
  - Math Tutor for class 10   *Jan - Apr 2019*
  - English Tutor for class 6-10   *Jan - Apr 2019*
  - Engish Tutor/Mentor   *Oct - Nov 2020*
  - Impact Measurement R&D   *May 2021*
  - Math Teacher-Instruction-Kits for Visually Impaired Students   *May - July 2021*
  - Social Internship (EdTech??) Mentor for Undergraduate Students   *June - July 2021*

- **Desire Society**

RELEVANT SKILLS

Java * HTML5 * Javascript/ES6 * CSS, Material UI * ReactJS, KnockoutJS * NodeJS * MySQL, PostgreSQL * Git * Agile/Scrum Methodologies * RESTful Services * Helm

RELEVANT COURSES

Web Technologies * Research Methodologies * Software Engineering * Advanced Database Management Systems