

## PRASHANTH SAMMANU

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### EDUCATION

#### University of North Carolina at Charlotte

Master of Science in Computer Science; GPA: 4/4

Charlotte, NC

Jan 2023 - Present

**Courses:** Algorithms and Data Structures, Database Systems, Computer Communication and Networks, Software System Design and Implementation, Visual Analytics, Info Tech Project Management

#### Vellore Institute of Technology

Master of Technology Integrated in Software Engineering; GPA: 3.75/4

Vellore, India

Aug 2015 - Jun 2020

**Courses:** Data Structures and Algorithms, Object Oriented Programming, Software Engineering, Data Mining, Database Management Systems

### EXPERIENCE

#### Teaching Assistant

University of North Carolina at Charlotte, Charlotte, NC

March 2023 - Present

**Technologies:** JavaScript, React JS, HTML, Tailwind CSS

- Designed a comprehensive wireframe, resulting in a responsive and visually appealing website design achieved through Tailwind CSS for rawlab.org.
- Developed dynamic elements with ReactJS and JavaScript, achieving a 30% increase in user engagement, a 15% enhancement in responsiveness, a 25% boost in website traffic, and a 30% improvement in web visibility on Google.
- Conducted rigorous end-to-end testing of the website's functionalities and design, meticulously addressing critical bugs to align with technical standards.
- Ensured optimal user experience by deploying on Netlify, optimizing loading times, security, and updates through continuous integration.
- Collaborated with peers and the professor offering integral teaching support to foster an engaging learning environment, resulting in a notable 100% class success rate.

#### Senior Software Developer

Hexagon, Hyderabad, Telangana

July 2020 - December 2022

**Technologies:** Java, JavaScript, React JS, HTML, Spring boot, Docker

- Led Ecosys Standard Product projects, achieving a 25% increase in system efficiency through seamless integration with Hexagon products, Primavera P6, and Microsoft projects.
- Achieved a notable 20% increase in user engagement through strategic UI enhancements, highlighting proficiency in crafting tailored improvements for an intuitive and engaging interface.
- Resolved over 250 complex bugs collaboratively across functions, playing a pivotal role in enhancing product reliability and stability.
- Led comprehensive training for cross-functional team members and new recruits, imparting essential skills. Translated innovative ideas into pragmatic engineering solutions, enhancing product competitiveness and market resonance.
- Coordinated in different phases of the product delivery (Analysis, Development, Dev Testing, Bug fixes, Documentation) under Agile software development lifecycle.

#### Project Intern

Hexagon, Hyderabad, Telangana

August 2019 - June 2020

**Technologies:** Java, Python, Angular, MySQL, SDx (Smart Digital Transformation), Heroku

- Collaborated on the development of the Hexagon Smart User Community, an innovative solution designed to collect feedback for various enterprise applications. Implemented sentiment analysis on the feedback, triggering notifications to relevant stakeholders for review and action.
- Spearheaded the Intelligent Tag Extraction project, which involved digitizing manually generated scanned image files. Employed Open CV OCR for text detection and recognition, resulting in intelligent drawings and enhancing document accessibility.

### SKILLS SUMMARY

**Programming Languages:** Java, Python, JavaScript, SQL

**Technologies:** Docker, Tailwind CSS, Angular

**Frameworks/Protocols:** Spring Boot, TensorFlow, Scikit-learn, ReactJS,

**Databases:** MySQL, Oracle, SQL Server

### ACADEMIC PROJECTS

**Object Segmentation with Face Parsing :** Developed a comprehensive iOS mobile application leveraging Core Machine Learning techniques for object segmentation with face parsing.

**Generalized Recommendation Engine for Travel Domain:** Developed a Collaborative Recommendation engine to recommend users travel itineraries based on their calendar availability.