

Prashanth Sammanu

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EDUCATION

- University of North Carolina at Charlotte** Charlotte, NC
Master of Science in Computer Science Jan 2023 -
Courses: Algorithms and Data Structures, Database Systems, Computer Communication and Networks, Software System Design and Implementation
- Vellore Institute of Technology** Vellore, India
Master of Technology Integrated in Software Engineering; GPA: 3.75/4 Aug 2015 - Jun 2020
Courses: Data Structures and Algorithms, Object Oriented Programming, Software Engineering, Data Mining, Database Management Systems

EXPERIENCE

- Teaching Assistant** Part-time
University of North Carolina at Charlotte, Charlotte, NC March 2023 -
Technologies: JavaScript, React JS, HTML, Tailwind CSS
 - Worked with Professor Rick White in the RAW lab to implement websites from scratch, including rawlab.org and nitrogenase.org.
 - Utilized technologies such as JavaScript, React JS, Tailwind CSS, and HTML to create visually appealing and responsive websites.
 - Assisted with teaching Principles of Team Science, providing guidance and support to students in the course.
- Senior Software Developer** Full-time
Hexagon, Hyderabad, Telangana July 2020 - December 2022
Technologies: Java, JavaScript, React JS, HTML, Spring boot, Hibernate, Docker, Kubernetes, Jenkins
 - Worked in Ecosys Standard Product team, designed and developed Ecosys configuration as per business requirements.
 - Implemented Ecosys Integration with suitable Hexagon products and third-party tools like Primavera p6, EAM as required.
 - Implemented enhancements to improve the user interface as per requirements by consultants and stake holders.
 - Worked with development team in reporting and resolving bugs in Ecosys product
 - Provided functional and configurational training on Ecosys for cross functional teams and new joiners.
 - Collaborated with Cross functional teams and product managers to turn product ideas into engineering solutions.
- Project Intern** Full-time
Hexagon, Hyderabad, Telangana August 2019 - June 2020
Technologies: Java, Python, Angular, MySQL, SDx (Smart Digital Transformation), Heroku
 - Hexagon Smart User Community – Generic design and solution to collect feedback for any application in an enterprise solution. Sentiment analysis of the feedback and notifications to the appropriate stakeholders for review/action.
 - Intelligent Tag Extraction -Digitization of manually generate, scanned image files. Text Detection and recognition using Open CV OCR to make them intelligent drawings.

SKILLS SUMMARY

- Programming Languages:** Java, Python, C/CPP, JavaScript, SQL
- Technologies:** Docker, Kubernetes, Bootstrap, Angular, AJAX
- Frameworks/Protocols:** Spring Boot, Hibernate, TensorFlow, Scikit-learn, React.JS,
- Databases:** MySQL, Oracle, SQL Server

ACADEMIC PROJECTS

- Generalized Recommendation Engine For Travel Domain:** Developed a Collaborative Recommendation engine to recommend users travel itineraries based on their calendar availability. **Technologies:** Python, Tkinter, Selenium Web Driver, Numpy, Pandas, Scikit-learn.
- Exploratory analysis on suicides in India using Python Libraries:** A real time dataset is downloaded from NCRB. Analysis and visualization techniques are performed on the dataset citing multiple reasons for suicide using various machine learning algorithms. **Technologies:** Python, Numpy, Pandas, Machine learning

STUDENT INVOLVEMENT

- IEEE IAS:** Worked as Student Organizer, led a team of students for iPACT 2019, an international IEEE conference.
- ECELL VIT:** Worked as Senior Student Core member and helped multiple startups in ideation and implementation stage.