

## EDUCATION

Illinois Institute of Technology, Chicago

Chicago, IL

Masters in Computer Science (3.7/4.0)

Aug 2022 - May2024

Coursework: Enterprise Web Applications,Online Social Network Analysis, Mobile Applications Development,NLP.

Gokaraju Rangaraju Institute of Engineering and Technology

Hyderabad, IN

Bachelor of Technology (3.5/4.0)

Aug 2017 - Jul 2021

Coursework: Data Structures and Algorithms, Internet of Things, Database Management,Computer Networks.

## TECHNICAL SKILLS

**Programming languages** : Java, Python, Javascript, C/C++.

**Frameworks/Libraries** : React, Angular,NestJS,Android Studio,Gatsby, Spring Boot,Django, Flask, Kubernetes,OpenCV, Tesseract.

**Web Technologies** : HTML5, CSS3, Graph QL,TypeScript, Relay, Vite

**Databases Management** : SQL/MySQL, Postgres, MongoDB

**Cloud & DevOps** : AWS S3, Fargate ECS, Docker, Git, Jenkins

**Others** : Data Structures and Algorithms

## WORK EXPERIENCE

Illinois Institute of Technology (*Graduate Assistant*)

Chicago, IL May 2023 - Present

- Developed compelling chatbot content and support resources, significantly enhancing user experience and optimizing operational efficiency. Successfully programmed an AI Bot that resulted in a notable 40% reduction in student wait times.
- Expertly utilized Salesforce and Supportforce for streamlined application and admission assistance, leading to a remarkable 60% increase in case resolutions and a 50% improvement in ticket response times.

Cognizant Technology Solutions (*Programmer Analyst*)

Aug 2021 - Jul 2022

- Developed ReactJS-based apps that let us use the same codebase to render pages on the client and the server.
- Designed Single Page Application (SPA) using: Angular, Bootstrap, TypeScript, CSS3, HTML5.
- Used Agile Scrum Methodology and Test-driven Development (TDD) for software development to produce high-quality applications.
- Worked extensively in the implementation of payment REST API which reduced the manual work of employees by 30%.
- Implemented a robust user experience by creating 45+ new features and improvements to existing applications.
- Identified and resolved 40+ performance issues and 30+ bugs.
- Collaborated with 4 cross-functional teams to ensure project success.

Cognizant Technology Solutions (*Engineering Intern*)

Mar 2021 -Jul 2021

- Ensure 3 different application's, security and ability to interact with multiple APIs and databases.
- Developed automation scripts to test all the components using Tosca automation tool which reduced the manual load by 50%.
- Gained hands-on experience in Bootstrap, Foundation, Express, and Similar back-end Node.js as well as front-end presentation frameworks web application frameworks.

## PROJECTS

Reddit Network Analysis - [Github](#)

Mar 2023

- Successfully gathered data from the Reddit API to construct an extensive social network comprising 500 nodes, setting a solid groundwork for both analysis and visualization.
- Skillfully computed key network metrics such as degree distribution, clustering coefficient, and betweenness centrality using NetworkX, uncovering significant details about the network's structure and interaction dynamics & utilized Matplotlib for the effective visualization of the network's structural framework.

HomeHub Ecommerce Website - [Github](#)

Dec 2022

- The website was built using Angular for the frontend and SpringBoot for the backend, while the database used was Postgres. The website utilized the Yelp and Maps API to enhance its functionality. Other API's are integrating for YouTube and other educational resources.
- The end result was a fully functional website that provided users with an interactive and informative experience.

Brain Tumor Detection with Transfer Learning - [IEEEExplore](#)

Nov 2021

- It's a research study on brain-tumor detection with different transfer-learning models such as ResNet-50, Inception-V3, & VGG-16.
- This pattern recognition problem for automatic detection of brain-tumor from MRI-images greatly saves the precious time of the radiologist. The accuracy of the VGG network achieves more than 98.16% compared to ResNet-50 and Inception-v3.