Sriram Reddy Pidaparthi

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EDUCATION

Master of Computer Science, *Indiana University Bloomington* Aug 2022 – May 2024 | United States
Coursework: Applied Algorithms (problem-solving using data structures in Python), Applied Database Technologies, Software Engineering, Data Mining, Artificial Intelligence

Bachelor of Technology in Computer Science and Engineering, Jul 2017 – May 2021 | Amaravati, India
Vellore Institute of Technology
Coursework: Object Oriented Programming (in Java), Database Management Systems, Operating Systems, Computer Networks, and Web Technologies.

TECHNICAL SKILLS

Programming Languages
Python, Java, Html, CSS, JavaScript

Databases
MySQL, SQLite, PostgreSQL

Frameworks
React, Redux, Node JS

Tools
Visual Studio, GIT, Workbench, Jupyter notebook

PROFESSIONAL EXPERIENCE

Tata Consultancy Services, *System Engineer, CMI-Unit, VCS Team* Jul 2021 – Jun 2022 | Hyderabad, India
- Developed scripts using JavaScript, Redux, and ReactJS to improve the existing codebase, which resulted in a fast and efficient user experience of the OTT Platform, SONY Pictures Network India.
- Responsible for integrating frontend platform with JSON Web Tokens authentication, and various APIs.
- Managed code migration from the local folder to AWS using services like Lambda, Amazon Relational Database Services (RDS) API gateways, etc.
- Worked on deployment on AWS by connecting PostgreSQL databases with RDS.

TCS Internal
- Implemented a live dashboard application using JavaScript, for an internal client that displays the user statistics of a digital media player, Roku.
- These statistics were used to predict the sales and forecast the revenue of the client, which helped them in building business strategies.
- Trained 50+ new developers with the concepts of web application development.

Bellwether, *Full-Stack Developer Intern* Feb 2021 – Jun 2021 | Hyderabad, India
- Took ownership of operating on SQL server databases and was able to improve efficiency to effectively calculate the commission of clients.
- Monitored and analyzed compensation plans to ensure the efficiency of calculations.

PROJECTS

Online Banking System, *Academic Project* Feb 2021 – Mar 2021
- Developed a banking system that helps us to make e-payments from the comfort of our homes or any place.
- All the banking operations such as debit/credit/check balances are included in this system.
- User-friendly interface was built using HTML, CSS, and Java. SQLite is used for performing database operations.

Health Sure, *Academic Project* Feb 2023 – present
- Designed a patient and insurance management system platform that helps citizens to claim insurance easily instead of navigating through a complicated claim process. The system streamlines healthcare processes and centralizes patient and insurance information.
- User interface is designed using CSS, React JS, and the backend is done in Django. SQL handles database related actions. Agile principles are followed for building this project and using Jira project progress was kept tracked.

PUBLICATIONS

Arduino-based Automated Safety ensuring System for Passenger Boats, *2021 International Conference on Computer and Informatics* Jan 2021
- Executed the idea of utilizing sensors in the boats which could diminish the fatality rate in boat mishaps. We have deployed a system that is responsible for passenger safety by checking if they have their life jackets on. Our system also sends notifications/alerts for help during emergencies. We have integrated Arduino with multiple sensors (infrared (IR) sensor, water sensor, etc.) and developed code in Arduino integrated development environment (IDE), in order to achieve the same.
- Worked on a prototype and published a research paper and patent (Patent no. 202141031102) reviewed by IEEE which won the best innovative Research Paper award - 2021 VIT University.