SaiCharan Reddy Chevula

saicharanreddy191102@gmail.com • +917032920115 • LinkedIn

EXPERIENCE

As a highly motivated and detail-oriented Computer Network graduate with hands-on experience in web development, machine learning, cybersecurity and IOT. I hold a strong grasp on my technical knowledge in Python, Java and C along with my strong problem-solving skills passion for innovation, to contribute effectively to cutting-edge projects. Eager to apply my knowledge of frameworks like React.js, Spring MVC, and technologies like MySQL, MongoDB, and OpenCV and testing tools like Selenium, Test Complete, Ranorex with my skill I am enthusiastically seeking a challenging role in software development or data science to contribute my skills and work to the Company.

EXPERIENCE

Full Stack Engineer   **OhLook India Pvt. Ltd | Dec 2023-Nov 2024**

- Automated build, test, and deployment processes using Jenkins and GitLab CI/CD.
- Managed infrastructure with Infrastructure as Code (IaC) practices using Git.
- Developed server-side logic with Python, Node.js and interacted with MySQL databases.
- Designed and implemented relational databases like MySQL and PostgreSQL and worked with MongoDB.
- Created shell scripts for database backups using cron jobs.
- Leveraged AWS services and tools like Ansible to enhance deployment processes.
- Contributed to software testing, debugging, and Linux system management.
- Gained expertise in tools such as Jenkins, GitHub, and Ansible.

Teaching Assistant – Computer Networks   **Malla Reddy Institute of Technology (2022–2023)**

- Assisted Professor Rashmi Shivanadhuni in delivering undergraduate coursework on network protocols and architectures.
- Collaborated with Professor Rashmi Shivanadhuni to design a tool for analyzing network traffic patterns to identify performance bottlenecks and potential security threats.
- Conducted labs, graded assignments, and provided academic support to enhance student learning outcomes.
- Streamlined lesson plans and facilitated effective communication between faculty and students.

EDUCATION

Malla Reddy Institute of Technology & Science, Computer Science and Engineering (Networks), Bachelor of Technology, June 2024 Cumulative GPA: 7.5/10.0

Sri Chaitanya Junior College, March 2020, Intermediate (M.P.C) percentage: 87.5%

New Vision Concept School, March 2018, 10th Standard (SSC) GPA:8.5/10

SKILLS

Programming/Scripting Languages: Python, Java, C language

Frameworks/Libraries/Tech: React.js OpenCV, NumPy.

Databases: MySQL, MSSQL.

Development and code management tools: Visual Studio , Notepad++, Figma.

Testing Tools: Selenium, Test Complete, Ranorex.

Scripting languages: HTML,CSS, JAVA script.

UI/UX Design.

Network Protocols : TCP/IP, UDP, DNS

PROJECTS

IN THE DIRECTION OF CYBER PHYSICAL SYSTEM ACCESSORY AND DETECTION OF CYBER ATTACKS VIA IOT, Team of 4

                                                                                          January2024 – March2024

- Proficient cybersecurity professional specializing in securing IoT-enabled CPS in ICS environments. Developed a two-

level ensemble framework for attack detection and attribution using decision trees and deep learning models in imbalanced ICS environments. Optimized models with real-world datasets from gas pipelines and water treatment systems, enhancing cybersecurity resilience and achieving superior performance.
(Reference - GitHub)

Effective Heart Disease Prediction Using Hybrid Machine Learning Techniques, *Teamof 4*

September2023 – November2023

- In this project, we propose a novel method that aims at finding significant features by applying machine learning techniques resulting in improving the accuracy in the prediction of cardiovascular disease. The prediction model is introduced with different combinations of features and several known classification techniques.
- We produce an enhanced performance level with an accuracy level of 93% through the prediction model for heart disease with the hybrid random forest with a linear model (HRFLM).
- (DOI reference (DOI : https://ijesr.org.2023.v13.i04.pp01-12)

MRITS Integrated Learning Hub, *Teamof 4*

August2023 – September2023

- In this project, we developed an application that helps students with their academic needs by providing subject notes, YouTube references, recommended books, and useful websites.
- It also includes coding practice for Python, C, and Java to enhance programming skills. Built with HTML, CSS, JavaScript, and Java, the application offers an easy-to-use interface for navigating subjects, study tips, and structured roadmaps to support students' academic success.   (Reference - GitHub)

CERTIFICATIONS

- Generative AI Professional Certificate from Oracle cloud infrastructure
- Full Stack Java Development Professional Certificate from EXCELR
- UX Design Professional Certificate from Google.
- Html Certificate from University of Michigan.
- DBMS Certificate from GEEKSTER Academy.
- Certificate of Cloud infrastructure (AWS) from BRAIN O VISION.

LEADERSHIP & VOLUNTEER EXPERIENCE

- Active member of Our College's NSS club.
- Member of street cause. An NGO comprising students.
- Participated in PRAESTANTIA at MRITS.

ACHIEVEMENTS

- Participated and selected in the Internal Level Smart India Hackathon 2023.
- Participated in International conference on 'ICAICSDSML-2022 ', Organized and held by MRITS
- Organized and Participated in A-2 Day National Level Hackathon and Technical Fest events at "FABTECHULUS 2K23".

PUBLICATIONS

- IJESR International Journal of Engineering & Science Research BY Society of Scientific Research and Education(SSRE) (DOI reference: https://ijesr.org.2023.v13.i04.pp01-12)

DECLARATION

- I hereby declare that all the above information given by me is true to the best of my knowledge and I hold responsibility for the above-mentioned information.

Signature/E-signature: Ch.Saicharanreddy