

Sai Yarlagadda

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SKILLS

Technical Skills: Java, C, C#, Python, JavaScript, MySQL, GitHub, Power BI, Firebase, MS 365, Power Apps.

Web Development: HTML, CSS, SAS, MERN (React Js, Node Js, Express, Mongo DB) Stack, C# Web API's.

Testing Tools: Mocha+Chai, Jest, Cypress.

Soft Skills: Detail-oriented, Organized, Problem-solving, Collaborative and Communication proficiency.

EXPERIENCE

Research Assistant | *Purdue University*

10th September 2023- Present.

- Pioneering as a Research Assistant for **Brain Computer Interface**.
- Spearheaded a cutting-edge BCI Laboratory, projected to benefit 500+ Students, setting a new standard for future generations on campus.

System Engineer | *Tata Consultancy Services*

19th May 2022- 29th December 2022.

- Advocated the implementation of a **Machine Learning Model** for automated patient record screening, ensuring timely detection of abnormal records and immediate alerts.
- Integrated **GE Centricity** and **Epic Systems**, resulting in a **30% reduction** in manual data entry for electronic health record (EHR) management.
- Leveraged **Azure** for Healthcare to seamlessly integrate data with GE Centricity and Epic Systems, enabling real-time access to crucial patient information. Automated workflows with **Power Automate**, reducing manual **intervention by 40%**.
- Applied **NLP** tools (spaCy, NLTK) to **achieve a 20%** increase in data analysis precision for healthcare professionals. Engineered potent reports and dashboards in **Power BI**, resulting in a 30% improvement in actionable insights from patient data.

Machine Learning Intern | *Eamvey*

1st June 2021-1st August 2021.

- Developed a diabetics prediction system with **Python**, **scikit-learn**, and **TensorFlow**, **achieving 85% accuracy** using Logistic Regression, Random Forest, and Gradient Boosting models.
- Curated a comprehensive dataset including patient profiles, medical histories, and biometric measurements for robust model training and validation.

EDUCATION

Purdue University | *Master's in Computer Science*

January 2023-December 2024.

GPA: **3.5/4.0**

R.V.R & J.C | *Bachelor's in Information Technology*

July 2018-July 2022.

CGPA:**7.78/10**

PROJECTS

- **ARTSTHOP**: An online platform empowering artist to showcase and sell their work.
- **Fort Wayne Bajan Society Website**: A custom-designed event management platform for the bhajan society.
- **Fake News Detection using ML**: Utilized Artificial Neural Networks to get 99.84% accuracy.
- **Detection of depression related posts in reddit**: (LIWC+LDA+Bigram+SVM) achieved accuracy of 90%.
- **IOT-Agriculture**: Utilized IOT to make a miniature version of IoT using in Agriculture and other area.