

Sai Rohith Tanuku

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EDUCATION

- **University of Pittsburgh** Pittsburgh, PA, USA
Master of Science in Information Science Apr. 2025
- **Manipal Institute of Technology** Manipal, India
Bachelor of Technology in Computer and Communication Engineering ; GPA: 3.36 May. 2023

EXPERIENCE

- **EAIESB Software Solutions Private Limited** Hyderabad, India
Associate Software Intern May. 2023
 - I architected an Enterprise Error Handling Framework, fusing Salesforce, ActiveMQ JMS, and Dell Boomi, orchestrating flows and developing Apex classes. I crafted a custom Dell Boomi connector with ActiveMQ JMS for seamless error data transfer, enhanced by Java and Postman expertise.
- **Bharat Sanchar Nigam Limited (BSNL)** Hyderabad, India
Application Developer Intern Aug. 2022
 - Distinguished by completing a rigorous App Development training with an impressive project internship at BSNL. Spearheaded the creation of a high-impact, end-to-end shopping app using Android Studio and Java, seamlessly showcasing mastery in full-stack development and collaborative deployment expertise.
- **MindTree Limited** Chennai, India
Geo AI and Computer Vision Intern Jul. 2022
 - Acquired hands-on experience in training neural networks and developing advanced object detection models. Applied cutting-edge computer vision algorithms and deep learning techniques for accurate object detection and model enhancement. Integrated GIS data to optimize spatial analysis, providing valuable insights for geospatial applications.

RESEARCH PUBLICATIONS

- **Liver Disease Prediction Using Ensemble Technique:** S. R. Tanuku, A. A. Kumar, S. R. Somaraju, R. Dattuluri, M. V. K. Reddy and S. Jain, "Liver Disease Prediction Using Ensemble Technique," 2022 8th International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, India, 2022, pp. 1522-1525, DOI: 10.1109/ICACCS54159.2022.9784999.
- **An Indispensable Contemplation on Natural Language Processing Using Ensemble Techniques for Text Classification:** A. Chahar, N. Patil, D. Walunj, S. R. T, R. Shah and H. Saratkar, "An Indispensable Contemplation on Natural Language Processing Using Ensemble Techniques for Text Classification," 2022 8th International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, India, 2022, pp. 406-410, DOI: 10.1109/ICACCS54159.2022.9785015.

PROJECTS

- **🎮 Web Tic-Tac-Toe:** Developed a multiplayer game application using JavaScript, Socket.IO, and Express. Players can start new games and share the generated game ID to invite others for multiplayer sessions, allowing for multiple consecutive games as long as both players are online.
- **🎮 Path Visualizer:** Independently implemented popular path-finding algorithms, showcasing self-learning ability and problem-solving skills using Pygame for visualizing and demonstrating path-finding algorithms, highlighting algorithmic proficiency.
- **🎮 News Classifier:** Implemented LSTM and improved efficiency with GRU layer for news authenticity prediction, achieving 98% accuracy.

SKILLS

Technical Skills: Object Oriented Programming, Algorithms, Computer Networks & Network Programming, Git, GCP, Mongo, NodeJS, OS, DBMS, Software Design, Data Mining, ML & Big Data.

Frameworks & Libraries: Python, Javascript, C/C++, SQL, Java, Pandas, NumPy, Pytorch, TensorFlow.