

LEELAVAMSIKRISHNA SANNIPALLI

International Institute of Information Technology, Bangalore

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Education

IIIT-Bangalore

Nov. 2020 - Present

Integrated M.Tech in Computer Science Engineering

3.22/4.0

Experience

Summer Research Internship Program(SRIP)

June - July 2023

Research Intern

Bangalore, Karnataka

- Conducted a comprehensive study on EEG montage localization and brain mapping at IIITB (Indian Knowledge System Lab). Mapped EEG montage electrodes with various brain activities and functionalities during the research.
- Demonstrated proficiency in web development, utilizing HTML, CSS, and JavaScript to create visually engaging website for presenting research findings.
- Collaborated closely with a senior research supervisor, showcasing analytical abilities and attention to detail.

Projects

Data analytics pipeline | *React.js, Web Development*

May 2023

- Collaborated with two team members to develop a data analytics pipeline for cricket raw data using NoSQL (MongoDB) and React.js as part of a group project in the NoSQL Database Systems course.
- Implemented the front-end using React.js for an intuitive user interface, and collaborated with the back-end team for integration with MongoDB.
- Compiled a comprehensive report detailing the project's objectives and methodologies.

Active Learning on Hyperspectral Images | *Python, Active Learning*

March-April 2023

- Developed a machine learning model for hyperspectral image classification using active learning techniques.
- Conducted extensive research on active learning techniques and their application in hyperspectral image classification.
- Implemented active learning techniques, such as uncertainty sampling and least confidence strategy, to improve the model's performance and reduce labeling costs.

Toxic Comment Classification | *Python, Machine Learning*

October 2022

- Created a machine learning model in Python to classify toxic comments, achieving a 2nd position out of 18 teams in a competition.
- Optimized the model through data cleaning, feature engineering, and model optimization using scikit-learn, pandas, numpy, and documented project progress and outcomes with clear code, visualizations, and reports.

Technical Skills

Languages: Cpp, Python, C, Java, SQL

Technologies/Frameworks: Linux, GitHub, WordPress, PyTorch, OpenCV, JavaScript, SQL, React.js, Scrum.

Relevant Coursework

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|------------------------|-----------------------|---------------------|--------------------------|
| • Data Structures | • Database Management | • Operating Systems | • Cyber Security |
| • Software Engineering | • Machine Learning | • Computer Networks | • Economics |
| • Algorithms | • NoSQL Databases | • Computer Vision | • Privacy in Digital Age |

Achievements

- Runner-up in Zense contest for developing real-time online shopping price tracking software using web scraping.
- Academic achievements include securing a JEE Mains rank of 6k out of 11 lakhs, scoring 986/1000 in 12th and perfect 10/10 in 10th.

Extracurricular

- Showcased dedication and strong sportsmanship by earning second place in a competitive carroms tournament.
- Volunteered for the college technical fest 'RISE' and the sports fest 'Spandan', assisting with event management and ensuring the smooth execution of activities. Demonstrated strong communication skills in interacting with participants, volunteers, and event coordinators.