

LOKESH KALAMALLA

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Education

Indian Institute Of Information Technology,Sricity, Andhra Pradesh <i>BTech, Computer Science and Engineering</i>	2024 <i>CGPA-7.0</i>
TSWREIS,Bhiknoor,Telangana <i>Intermediate</i>	2020 <i>89.6</i>

Technical Skills

Key Skills: DSA, NLP, Artificial Intelligence, DBMS,
Languages: Python, Java, HTML/CSS, JavaScript, MYSQL
Developer Tools: VS Code, Eclipse, Google Colab, Jira, Agile, Scrum
Technologies/Frameworks: Linux, GitHub, Reactjs, redux, Nodejs, Django, Rest API, MongoDB
Data Analysis Tools: Pandas, Numpy, Scikit learn, Matplotlib, PowerBI, MS Excel

Relevant Coursework

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|-------|--------|---------------------------|-----------------------|
| • DSA | • DBMS | • Artificial Intelligence | • Systems Programming |
| • HPC | • NLP | • Web Development | • ICS |

Projects

- STARTCOM** | *ReactJS, Redux, Rest API, MongoDB, NodeJS* github.com
- StartCom is a social networking site where users can nurture their ideas and can share their thoughts.
 - It offers functionalities such as dedicated user profiles, uploading posts, and following each other. Also includes a timeline with posts and a chat interface between users to communicate.
- SENTIMENT ANALYSIS** | *Python, Google Colab, NLP* github.com
- Developed a sentiment analysis system for social media using NLP and deep learning, achieving 90% training accuracy and showcasing expertise in advanced techniques.
 - Incorporated research insights from R_{PonSA1} and R_{PonSA2} to enhance the system's design, demonstrating proficiency in academic and practical approaches to sentiment analysis.
- CUSTOMER SEGMENTATION USING K-MEANS** | *Python, ML, Pandas, Matplotlib, scikit learn* github.com
- Performed customer segmentation using K-Means clustering to analyze behavioral and demographic data, enabling targeted marketing strategies and improving customer retention for businesses.
 - Implemented feature scaling, Elbow Method, and multivariate analysis, optimizing clustering accuracy and deriving actionable insights for personalized marketing and resource allocation
- Counting and Tracking Mango Fruits in Video** | *Python, YOLOv5, PyTorch*
- Developed a system to count and track mangoes in 360-degree tree videos using YOLOv5 object detection
 - Processed video frames at 30fps and implemented centroid-based tracking to avoid duplicate counts
 - Achieved mAP of 0.73 at 200 epochs and precision of 0.77 with IoU metrics.

Courses

- Aspire Leadership Program (ALP)** Jan-April(2024)
- ALP is an online program, where students and professionals across globe who choose to become a future leader take part.

Leadership / Extracurricular

- President — TSWREIS, Bhiknoor, Telangana, India** 2020
- Organised all the cultural events, from delegating work to attending last minute preparations.
 - Managed executive board of 5 members and ran weekly meetings to oversee progress in essential parts of the chapter.
 - Led chapter of 30+ members to work towards goals that improve and promote community service, academics, and unity.
- IOTA Club member — IIIT Sricity, Andhrapradesh, India**
- ‘A’ Certificate — National Cadet Corps**
- Volunteer — National Service Scheme (NSS).**