

SURI PRANEETH KUMAR

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Education

Koneru Lakshmaiah Education Foundation

Bachelor of Technology (B.Tech), Computer Science

2022–2026

GPA: 9.0/10.0

Sri Sarada Educational Institution

Board of Intermediate Education, MPC

2020–2022

Percentage: 83.8%

Projects

Predictive Maintenance System — Python, TensorFlow, Flask, React

- Designed and implemented a predictive maintenance system using machine learning, reducing equipment downtime by **25%** and saving **50,000 annually** in maintenance costs.
- Engineered a Random Forest model to predict equipment failures with **92% accuracy**, trained on **10,000+ data points**.
- Created a full-stack web application with Flask (backend) and React (frontend), enabling **real-time monitoring** of equipment health for **50+ users**.
- Optimized the system's scalability by containerizing the model using Docker and deploying it on AWS EC2, reducing server costs by **15%**.

Real-Time Sentiment Analysis — Python, NLTK, Django, AWS

- Built a real-time sentiment analysis tool to classify **10,000+ customer reviews** with **89% accuracy** using NLTK and VADER.
- Developed a Django-based web application to upload and analyze text data, reducing manual review time by **40%**.
- Deployed the application on AWS Elastic Beanstalk, handling **1,000+ requests per minute** with **99.9% uptime**.
- Integrated a feedback mechanism, improving model accuracy by **5%** over 3 months based on user corrections.

AI-Powered Recommendation System — Python, Scikit-learn, Node.js, MongoDB

- Constructed a recommendation system for an e-commerce platform, increasing user engagement by **30%** and boosting sales by **20,000 monthly**.
- Utilized Scikit-learn to implement a KNN-based algorithm, achieving **85% precision** in product recommendations.
- Designed a RESTful API using Node.js and Express.js, serving **500+ recommendations per second** to the frontend.
- Enhanced data management by storing and retrieving **1M+ user interactions** efficiently using MongoDB, reducing query time by **20%**.

Technical Skills

Programming Languages: Python, C

Frontend Development: HTML, CSS, Bootstrap, JavaScript, Angular

Backend Development: Node.js, Express.js

Databases: MySQL, MongoDB

Tools: Git, Firebase

Operating Systems: Windows, Linux

Certifications

Salesforce Certified AI Associate

Aviatrix Certified Multicloud Network Associate

Automation Anywhere Certified Essential RPA Professional

Internship

InternPE

Machine Learning Intern

- Gained hands-on experience in AI/ML, working with cutting-edge tools and frameworks.
- Partnered with diverse teams to complete three key projects, ensuring seamless execution and alignment with business objectives.
- Guided and supported five junior members, fostering skill development and boosting overall team efficiency by 20%.
- Delivered compelling technical presentations, leading to a notable rise in project approvals by 15%.
- Optimized team operations by refining workflows, accelerating project timelines by 10%.

Personal Information

Languages Known: English, Telugu

Declaration

I hereby declare that the information provided above is true and correct to the best of my knowledge.