Resume
Sridhar Reddy Eguram

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EDUCATION

Indiana University Bloomington (IUB), Bloomington, IN
Masters of Science in Computer Science ***GPA:3.7/4*** 2023-2025 (expected)

Gokaraju Rangaraju *Bachelor of Technology, Computer Science*
GPA:9.01/10.0 2019-2023

ACHIEVEMENTS

- Runner up in the Hackathon based on Data Analysis i.e: Data for Social good by local state Telangana in India in associate with UMass Amherst.
- Collaborated with a cross-functional team of experts to investigate and propose innovative solutions for secure e-voting systems leveraging blockchain technology, resulting in a groundbreaking paper published in a top-tier conference proceedings.
- Published an journal on "AI based legal assistance system" in International Journal of Social Sciences.

RELEVANT SKILLS

Computer Languages: Html, CSS, JavaScript, React, C, Java, Python, MATLAB, SQL, MYSQL, C#, .NET
Courses & Skills : Data Analytics, Data Science, Data Structures using Java, AWS Foundations, MS Excel, data engineering, Data Modeling, Data Warehousing, Problem Solving, Project Management, Software Development, Interpersonal Skills, Requirements Analysis, Communication Skills, MS CRM, SSRS Reports, Data Importing

EXPERIENCE

Tata Consultancy Services (TCS)
Software engineer intern 2023 March – 2023 May
- Developed and executed a data visualization project using Microsoft Power BI, showcasing employee and organizational data; increased data accessibility by 50% and empowered senior SE employees with actionable insights.
- Mentor trained us on how to tackle the bugs and learned on java testing frameworks.

Knowledge Solutions, India
Machine Learning Intern 2020 August-2020 September
- Implemented various machine learning models including XGBoost, Random Forest Regression, and Multiple Regression to develop an accurate insurance cost prediction system, resulting in a 25% reduction in pricing errors and improved profitability.

JP Morgan, India
Data Engineering Virtual Internship 2022 August
- Worked on the interface with a stock price data feed.
- Utilized JP Morgan Chase frameworks and tools.
- Worked on displaying the data visually for traders and made data analysis.

Goldman Sachs, India
FinTech Engineering virtual experience program 2022 September.
- Worked on the databases with the project about cracking the leaked passwords.

PROJECTS

Pneumonia Disease Detection using CNN– The project is primarily focused on identifying pneumonia without the need for additional tests by using a Chest X-Ray as an input. Greyscale Normalization is one of the algorithms used to scale up the data, as is Data. The Chex NET algorithm is utilized for training the CNN model, and the back propagation approach is used for fitting the model over 12 epochs.

- **Detection of malicious URL using Ensemble Learning :** Worked on Ensemble learning methodologies like AdaBoost, Bagging, Random Forest where it can detect webisites which are malicious or benign. Also implemented Voting classifier which efficiently differentiates malicious websites and helps in cyber security activities.
- **Crop Yield Prediction, Data Analysis:** The goal is to soil crop output using data collected over the seasons from each district in Telangana, India. Worked on Gaussian Naïve Bayes Algorithm, ensemble learning technique like random forest.
- **Insurance cost prediction** –Worked on some different models i.e: multi-linnear regression, random forest without and with PCA.
- **Personalized Website:** It helps for the managers or any officials to view student resume visually with ease and get access to their work like projects, research, certifications he made.
- **Medical chatbot using Python:** It is designed to access user symptoms and forecast what type of sickness user had. My role is to connect Flash to the sequential model. KNN algorithm is used to determine kind of disease.
- **AI enabled legal assistance system**– It presents a case study and will retrieve judgements given in the past for a good factual description. My role is to implement LDA which is used for topic modelling and improvised precision.
- **Smart Health Monitoring System-** In a Hackathon, we developed Smart Health Monitoring Device, an IoT Level-3 device mostly based on Node MCU, with a Temperature Sensor, Blood Oxygen Sensor, Gyro sensor, and Heart rate sensor to develop a remote device that can track patient health and alert the doctor of their state.

INTERESTS AND ACTIVITIES

Outdoor games like Badminton, Cricket ✣ Content creation ✣ Movie Reviews ✣ News Reporting ✣ Table Tennis

LANGUAGES KNOWN

English, Hindi, Telugu. **Personal website**