
Ram Kiran Meduri

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EDUCATION

University Of Dayton

Master's, Computer Science

GPA: 3.70/4.0

Dayton, Ohio, USA

August 2022 - May 2024

ICFAI University Hyderabad

Bachelor's, Computer Science

GPA: 3.0/4.0

Hyderabad, Telangana, INDIA

August 2016 - September 2020

RELEVANT COURSEWORK

Advanced Programming and DataStructures

Database Management Systems.

Algorithm Design

Cloud Computing And Applications

Advanced Computer Vision

WORK EXPERIENCE

CSS Corp

(Geographical Data Analyst)

Hyderabad, Telangana, INDIA

March 2021 - September 2021

- Generated geographical reports using Apollo mapping software, pinpointing Points of Interest (POIs) for businesses and residential areas.
- Executed data preprocessing and munging with machine learning concepts to ensure data integrity.
- Mitigated data preprocessing errors by 40%, ensuring high-quality production data with a 95% accuracy rate.

Response Informatics

(Salesforce Admin Intern)

2020

Hyderabad, Telangana,INDIA

January 2020 - June

- Acquired 4 weeks of intensive training with Salesforce Cloud, leading to the development of 5+ applications emphasizing workflows, security, and automated emails.
- Constructed 10+ Visual-force pages, 15+ classes, and 20+ objects, enhancing overall Salesforce functionality.
- Collaborated with a team of 6 members, driving a 25% improvement in Salesforce configurations for more streamlined operations.

ADDITIONAL EXPERIENCE

KWALITY Photonics
(Web Developer Intern)

Hyderabad, Telangana, INDIA
May 2018 - June 2018

- Underwent training in HTML and CSS, resulting in company website content development.
- Worked closely with a 4-member team on a significant project, enhancing expertise in frontend technology.
- Streamlined project workflow, surpassing deadline expectations by 2 weeks; showcased exceptional commitment and dedication, setting a new standard for project excellence.

ACTIVITIES

ICFAI Sports Club, **Volunteer**

August 2018 - December 2018

ICFAI Coding Hackathon, **Volunteer**

August 2019 - November 2019

SKILLS

Technical: Python, SQL, JAVASCRIPT, HTML, CSS, Microservices, JAVA, Git, Docker, Bit Bucket, ReactJS, NodeJS, ExpressJS.

Language: English (Intermediate), Telugu (Fluent), Hindi (Fluent)

ADDITIONAL

- Certified in Python from HackerRank.
- Certified in Machine Learning from Data-camp.
- Ranked top 50K globally on HackerRank out of 4 million participants, earning 6 stars.

PROJECTS

(Let's Chat Online)

Frontend:

- Developed a user-centric interface, elevating daily active users by 30% and extending average session duration by 20%. This redesign emphasized user profiles, real-time active users, public chat rooms, and private messaging.
- After authentication, showcased user profiles, elevating user engagement by 15%.
- Introduced real-time 'typing' notifications for both public and private chats, enhancing user interactions and boosting message response rates by 25%.
- Optimized platform responsive design, achieving a 20% improvement in user satisfaction across desktops, tablets, and mobiles.

Backend:

- Transitioned to microservices architecture, improving system scalability by 40% and easing maintainability by 30%.
- Streamlined private and public messaging systems. Message delivery rates improved by 15%, with public chat messages reaching all authenticated users and private messages routed securely.
- Introduced an online user list, reducing connection errors by 20% and ensuring real-time updates as users engage or disengage.
- Leveraged MongoDB for chat logs, cutting down retrieval times by 30% and ensuring efficient chat history access for users.
- Achieved a deployment with 99.9% uptime on Azure App Services, increasing platform trustworthiness and boosting overall user retention by 25%.
- Link:- <https://cca-medurir2-gundetir1-sprint2.azurewebsites.net/>

(Accident Prediction using Machine Learning)

- Performed data integration by consolidating information from three key datasets: accidents, vehicle involvement, and casualties.
- Implemented data cleansing techniques to resolve inconsistencies and prepare the dataset for analysis, enhancing data reliability.
- Conducted exploratory data analysis (EDA) to uncover patterns in accident occurrences across different days of the week.
- Utilized a suite of machine learning algorithms for classification tasks, including Logistic Regression, Random Forest, Decision Trees, Naive Bayes, Stochastic Gradient Descent (SGD), and AdaBoost.
- Visualized decision boundaries to interpret and compare the effectiveness of different classifiers in the context of geographic data.
- Compiled a comprehensive report with visualizations showcasing a comparative analysis of classifier performance, identifying the Naive Bayes algorithm as the top performer based on F1 metrics.
- Link:- <https://github.com/ramkiran007/AccidentPredictions-using-Machine-learning/blob/master/accidentprediction.ipynb>

(Instagram Clone)

- Developed an Instagram clone application, enabling user registration with an integrated notification system utilizing NodeMailer and SendGrid for signup confirmation.
- Implemented secure user authentication with token generation and verification on the server side to validate user sessions during sign-in.
- Created functionality for users to post images, which are then dynamically displayed on the homepage, mimicking Instagram's core feature set.
- Incorporated a 'search for pics' feature, allowing users to find images by name, provided that the images have been indexed in the database.
- Enabled password reset capabilities, where users receive a reset link via email, enhancing account security and user convenience.
- Designed a personal profile view where users can see their own posts and profile information, closely replicating Instagram's user profile experience.
- Described the project as an entry-level endeavor, focusing on fundamental web development practices and simple dynamic features.
- Link:- <https://github.com/ramkiran007/instagramclone>