Rohan Arekatla

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SUMMARY

Driven by a strong passion for technology, B.Tech CSE(Data Science) student with a solid analytical foundation and extensive hands-on experience. Proficient in data science, ML, and web development, showcased through impactful projects and internships. Proven aptitude for team leadership, security management, and fostering positive campus relationships.

EXPERIENCE

Web Developer - Internship
Defence Research and Development Laboratory (DRDL) – DRDO   **May 2023 - July 2023 Hyderabad**

• Experienced Web Developer adept in HTML, CSS, and JavaScript, with a proficiency in Django, MySQL, and Plotly.

• Spearheaded the creation of a secure website at DRDL. Enabled seamless data management, visualization, and reporting functionalities, enhancing procurement processes and informed decision-making.

• Collaborated effectively with cross-functional teams to deliver a user-friendly and cient interface.

Data Science Intern,
BEPEC   **April 2020 - November 2020, Online**

• Managed full data science project cycle: extraction, preprocessing, feature selection (Best Subset, Shrinkage), algorithm development, backtesting, and validation.

• Proficient in NLP: Applied SpaCy and NLTK libraries for Tokenization, Stemming, Lemmatization, Stop words, and Phrase Matching.

• Expertise in supervised ML methods: Multiple Linear Regression, Logistic Regression, Decision Trees, Support Vector Machines. Also competent in unsupervised learning: hierarchical clustering, k-means.

PROJECTS

Gym App

• Achieved 85% accurate classification of health statuses (e.g., healthy, overweight, underweight, obese) using a Python model built with Pandas and Scikit-learn.

• Designed an intuitive web GUI utilizing Matplotlib and Seaborn, offering visualized analysis outcomes and enabling user-friendly health condition tracking.

• Provided a platform for personal monitoring, fostering awareness and management of users' health statuses over time.

YouTube Adview Prediction

• Built a machine Learning regression to predict YouTube Adview count based on other YouTube metrics.

• Data preprocessing, Feature Selection, Data Analysis and Data Transformation.

• Performed Linear Regression, Support Vector Regressor, Decision Tree Regressor, and Random Forest Regressor.

• Built and trained an Artificial Neural Network with different layers and hyperparameters using Keras.

EDUCATION

B.tech CSE(Data Science)
GITAM • 8.95 Cgpa • Visakhapatnam • 2020-2024

• Relevant Coursework: Probability and Statistics, artificial neural networks, data analysis, Database management systems, artificial Intelligence, Machine Learning, Design and analysis of algorithms, Data structures, Natural language processing, Big Data , Deep Learning

INVOLVEMENT

Core Team Member
Meta Developer Circles GITAM Visakhapatnam (MDC)   **January 2023, GITAM**

• Led the effort to learn a variety of new skills in the analytics domain to expand on a foundation of existing skills.

• Created and used visualizations to illustrate new concepts and explain their benefits.

Security Member Lead
GITAM • Shore Fest • January 2023 - February 2023

• Managed and executed security plans, ensuring a smooth event flow.

• Made critical decisions in real-time to address security issues, enhancing festival safety.

• Led and fostered a productive security team, contributing to the overall success and positive attendee experience.

Internshala's Campus Ambassador
Internshala • January 2022 - February 2022

• Promoted Internshala as an ambassador within the college community, emphasizing its benefits.

• Facilitated communication between Internshala and students, ensuring awareness of programs and events.

• Organized campus activities, engaging students and enhancing Internshala's visibility.

Author, Bentham Books' (In-Press)

• Contributed a chapter titled "A Study of GPU Computing and Its Research Directions and Usage" to the book "Applied Artificial Intelligence, Data Science, Cloud Computing and IoT," published by Bentham Books.

• Researched and provided insights into GPU computing trends, advancements, and applications.

• Contribution aimed at enhancing the book's comprehensive coverage of modern technological landscapes.

SKILLS

Libraries and tools: AutoCAD, Microsoft office suite, Photoshop, Premier Pro, Visual Studio, Scikit Learn, Eclipse, Anaconda Navigator, Tableau, GitHub, Git, Sublime, AWS SageMaker Studio, Streamlit, Excel.

Programming: C, C++, Java, MySQL, Python, Flask, BeautifulSoup, Docker, Pycaret, Pickle, XML, UML, Pandas, hive, R, Hadoop,HTML, CSS,Django.