GUTTAPATI RUSHIKESH REDDY

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Profile

I'm a passionate engineer with expertise in Java, Full Stack, and Data Science, seeking an entry-level role in a dynamic organization. I excel in team building and event coordination, and I'm committed to learning and embracing new technologies. I'm eager to contribute to the team's success.

Professional Experience

2022/03 – present	**CHEGG EXPERT** I've diligently answered my fellow students' questions about the intricate aspects of computer science, using my expertise to simplify the complexities of this rapidly evolving field. My dedication to sharing knowledge and helping others on their learning journey highlights my passion for building a collaborative learning community in the realm of computer science.

Education

2020 – 2024 Amritapuri	**Bachelor of Technology, Computer Science Engineering** Amrita School of Engineering, Amrita University Current CGPA: 9.15/10
2018 – 2020 Kurnool	**Andhra Pradesh State Board of Intermediate Education(APSBIE)** ⎘ Narayana Junior College Overall Percentage: 93.8 / 100
2017 – 2018 Kurnool	**Central Board of Secondary Education** ⎘ St. Joseph's High School Overall Percentage: 89.8 / 100

Workshops and Conferences

2020/11 Kurnool	**Ethical hacking** • learnt the principles of ethical hacking • learnt how to deal with the situation when there is a hack
2021/10 Kharagpur	**Machine Learning, IIT Kharagpur** ⎘ • learnt the fundamentals of machine learning • learnt the techniques used to classify problems of regression and classification

Skills

Python	● ● ● ● ●	Machine learning and Deep learning	● ● ● ● ●
Html , Java Scipt and Mongodb	● ● ● ● ○	Java	● ● ● ● ○
Data Science	● ● ● ● ●	SQL	● ● ● ● ●

Publications

2023/09	**The Ethics of AI and ML: Balancing Innovation and Responsibility in Business Applications** *European Economic Letters*

This discussion explores the ethical considerations surrounding AI and ML in business, emphasizing the delicate equilibrium between fostering innovation and upholding social responsibility. It delves into the challenges and strategies for aligning cutting-edge technology with ethical principles.

2023/08   **Neuro-Finance: Understanding the Brain's Role in Financial Decision-Making** ⤤
Journal of Harbin Engineering University
This research paper delves into neurofinance, a burgeoning field studying the interplay between brain processes and financial decisions. Its aim is to shed light on how the brain shapes financial behaviors, offering a deeper understanding of economic decision-making.

Projects

2021/09 – 2021/12   **Event Management System** ⤤
This project utilizes Java applets and Java Swing for the front-end user interface. Data storage and retrieval are managed through PostgreSQL, and the connection between the front-end and back-end is established using JDBC. To ensure functionality, we've incorporated various Java frameworks. The objective is to offer a user-friendly event organization solution, addressing a gap left by many contemporary websites.

2022/09 – 2022/12   **Calorie Burnt Prediction** ⤤
This project is a user-friendly tool for estimating calorie expenditure through data mining and machine learning techniques. It involves meticulous data cleaning for precise input, followed by rigorous model training using comprehensive datasets. The resulting model provides accurate predictions of calories burned, offering valuable insights into effective calorie management for improved health and wellness.

2022/08 – 2022/12   **Water Quality Assesment** ⤤
Our project's main goal is to help people identify safe drinking water sources. We've used the K-Fold machine learning technique to split our dataset into training and test sets. By employing various machine learning methods, we've trained a model that predicts whether nearby water sources are suitable for drinking or daily activities, ensuring community well-being.

2023/02 – 2023/05   **Revolutionizing Food Delivery: A Dynamic Load Balancing and Routing System** ⤤
Our Online Food Delivery System utilizes a graph-based algorithm to optimize delivery routes based on factors such as traffic and distance. This allows for efficient and timely deliveries and real-time updates. The system also provides delivery personnel with customer information and allows for easy progress tracking and workload management.

Self Initiated Projects

2023/02 – present   **Fracture Detection Using Deep Learning and Image Classification**
This project uses Deep learning to help detect fractures in medical images. The approach involves extracting features from the images and prepare a one-dimensional list of image information. The model is then trained using a convolutional neural network (CNN), achieving an accuracy rate of 80%. The project is being further developed and a paper will be published soon. Overall, this project shows promise for improving fracture detection in medical imaging.

Final Year Project

2023/08   **A Study Of Genome Variations Of Human Pathogens Using Pangenome Graph and Deep Learning Techniques**
This research and project integrates pangenome graphs and deep learning to analyze genome variations in human pathogens, predicting structural changes and identifying mutation hotspots. These insights inform adaptive strategies, enhance diagnostics, and support targeted disease interventions, contributing to improved infectious disease control despite challenges in detecting DNA structural variations.

Additional Projects

1) Event Managment System   2) Image detection   3) Several projects in Data science using data cleaning and preprocessing techniques

Certificates

Certified Data Scientist ⬀
Through this program I have learnt the topics like data analysis, machine learning, statistical modeling, and data visualization. I had the opportunity to work on real-world projects, applying the skills that I have learnt to solve business problems and analyze data sets.

Full Stack Web Development ⬀
In full stack web development, I have learned to create responsive and user-friendly front-end interfaces using HTML, CSS, and JavaScript. Additionally, I have gained proficiency in server-side programming using languages such as Java, Python, or PHP, and frameworks

Achievements and Contributions

2021/11 – present	**Vice captain of Amrita college team (cricket)** *Amritapuri*
2017	**Man of the match in U-14 State Level Printed in Sakshi magazine** *Kurnool*
2018	**Chess (Runner's - up)** *Kurnool District*
2020/08	**Covid 19 - Web design form**
2021/09 – 2021/10	**selected for manthon hackathon final round** *national wide*

Community Outreach Programs

2022/09 Azhikkal	**Beach clean up drive** I personally contributed to cleaning up a beach heavily contaminated with plastic and junk waste. This hands-on experience underscored the urgency of addressing pollution for a cleaner and more sustainable environment.
2022/11 Amritapuri	**Educating The Youth** I conducted a series of sessions at the college, focusing on guiding students in effectively managing their mental health and avoiding potential addictions, including drugs and related substances.

Interests

• Web Development   • Data science   • Data Structure's

Hobbies

Coding   Playing cricket   Playing chess   Travelling

Languages

• English   • Hindi   • Telugu

Personal Information

Date of Birth: 01-Dec-2002
Father name: GUTTAPATI RAVI MOHAN REDDY **Mother's name:** V MESHAVARDHANI REDDY
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