

# Shreyansh Srikar Rao Polkampeta

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**Profile:** A dedicated B.Tech Computer Science and Engineering student with a strong foundation in programming languages and a keen interest in implementing and adapting cutting-edge technologies to drive organizational success.

## Skills

- Programming Languages: Proficient in C, C++, JavaScript (including frameworks like React.js, and Next.js), HTML, CSS, Python, and XML.
- Web 3.0: In-depth knowledge and hands-on experience with cryptocurrency technologies.
- Databases: Skilled in database management and operations using MySQL and MongoDB.
- Data Analysis & Machine Learning: Proficient in using Python libraries like Pandas and Matplotlib for data analysis and machine learning applications.

## Projects

- NFT Marketplace- Spearheaded the development of a robust digital asset trading platform, leveraging blockchain technology to ensure secure transactions.
- Sky Linker Aeropathways: Engineered a comprehensive flight tracker application, enhancing aviation route planning and monitoring efficiency.
- Cryptocurrency Price Tracker Web App: Developed an intuitive application for real-time tracking of cryptocurrency prices, integrating multiple API sources for accurate data.
- WhatsApp Chat Analysis: Created a sophisticated tool for analyzing WhatsApp chat histories, and extracting meaningful insights through data visualization.

## Publications

- Cardiovascular Disease Prediction using Machine Learning Algorithm: Co-authored a pivotal research paper, focusing on deploying the Random Forests algorithm for efficient and accurate heart disease prediction.
- Taming an Autonomous Surface Vehicle for Path Following and Collision Avoidance Using Deep Reinforcement Learning: Contributed to groundbreaking research that significantly advanced the field of robotics and autonomous systems by implementing deep reinforcement learning techniques.

## Participation

- Devpost EduSands Hacks: Demonstrated exceptional technical skills and innovative problem-solving abilities in this competitive hackathon.
- Inter College Codeathon at CMRCET: Showcased coding expertise and analytical thinking in this high-pressure coding challenge.
- Ideathon at IIT-H: Presented a compelling and innovative idea that successfully captivated investor interest, underscoring entrepreneurial acumen.

## Certifications:

- C Programming for Beginners (Udemy)
- The Python Mega Course: Learn in 60 Days (Udemy)
- AWS Academy Cloud Computing
- AWS Academy Machine Learning

## Education

- B.Tech in Computer Science and Engineering, CMR College of Engineering & Technology (2020 - Present): CGPA of 7.02/10, with an expected graduation in 2024.
- Intermediate, Gowtham Junior College (2018 - 2020):694/1000 marks.
- SSC, Geetha High School (2018): GPA of 8.0/10.