

# Sai Varun Poludasu

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## SUMMARY

I am a passionate and motivated B.Tech student in Computer Science at the Institute of Aeronautical Engineering, Hyderabad. Eager to launch my career as a software engineer, I have hands-on experience in web development, software engineering, and machine learning, having built full-stack applications like a real-time chat room and a social media platform. I thrive on solving problems, taking on challenging projects, and contributing to innovative solutions. My internships in AI and Data Science involved developing AI models and practical applications such as rainfall prediction.

## EDUCATION

- |   |                                       |
|---|---------------------------------------|
| • <b>B.Tech in Computer Science and Engineering</b>                           | Institute of Aeronautical Engineering |
| <i>Academic Achievements:</i> Consistently ranked in the top 10% of the class | Ongoing                               |
| • <b>Intermediate</b>   | Krishnaveni Junior College            |
| <i>Academic Achievements:</i> Scored 96%                                      | 2022                                  |
| • <b>SSC Board</b>  | Triveni Talent Schools                |
| <i>Academic Achievements:</i> Scored 10 GPA                                   | 2020                                  |

## SKILLS

- **Languages:** Python, Java, JavaScript, C/C++, TypeScript
- **Frameworks:** React, Node.js, MERN Stack, TensorFlow
- **Tools:** Git, WebSockets, Docker, Jupyter, Visual Studio Code
- **Technologies:** Machine Learning, MongoDB, MySQL, REST APIs, HTML, CSS, TailwindCSS
- **Soft Skills:** Problem Solving, Communication, Teamwork, Time Management

## CODING PROFILE

- **LeetCode:** Username: varun\_chowdary\_99, Problems Solved: 2
- **CodeChef:** Username: varun9392, Problems Solved: 250
- **HackerRank:** Username: saivarunchowdar2, Basic Certifications: 2
- **GeeksforGeeks:** Username: saivarunchowdary, Rank: 572, Problems Solved: 26, Score: 64
- **OneComplier:** Username: 42azpbvce, Codes : 68

## PROJECTS

- **Chat Room:** A real-time chat application built using **WebSockets**. Features **private messaging** and **group chats**.
- **BlogIT:** A **social media** platform for **blogging** and posting content. Developed using the **MERN** stack.
- **Peek.. a.. boo..:** A **video calling app** that connects strangers via **WebRTC**. Supports multiple rooms and **real-time video streaming**.
- **Face Recognition:** A **Python** project that uses **machine learning** to recognize people from images. Utilized **OpenCV** and **deep learning** techniques. GitHub
- **Rezzumy:** A platform for showcasing skills and **building resumes**. Users can **create profiles** and display their projects.
- **Shop Manager:** An **inventory management** app using **React**, **Node**, **Express**, and **TursoDB (SQL)**. Features include tracking stock and generating sales reports.
- **Mini Projects:** Contributed to various small projects on GitHub, including data **visualization tools** and **web scrapers**. GitHub

## ACADEMIC PROJECTS

- **Restaurant Reservation and Table Management System:** A web application to manage **restaurant reservations**, menus, and ratings. Used technologies like **React**, **Node.js**, and **MySQL**.
- **Student Performance Ranking:** Developed a platform to rank student performance based on their coding profiles.
- **Student Placements and Management:** Developed a platform that keep **track of the placements** based on package and company. And also find which class the particular student should be in based on their Schedule

## INTERNSHIPS & CERTIFICATES

- |  |                         |
|--|-------------------------|
| • <b>Internship with EdiGlobe</b>  | Remote                  |
| <i>AI Internship</i>   | March 2024 - April 2024 |
| ○ <b>Experience:</b> Developed AI models for predictive analysis. Worked on data preprocessing and model optimization. |                         |
| ○ <b>Tools Used:</b> Python, Scikit-Learn, TensorFlow  |                         |
| • <b>Data Science Internship</b>   | NSIC                    |
| <i>Machine Learning and Rainfall Prediction</i>  | July 2024 - August 2024 |
| ○ <b>Project:</b> Built a rainfall prediction model using regression techniques. Achieved an accuracy of 85%.          |                         |
| ○ <b>Technologies:</b> Python, Pandas, Matplotlib  |                         |
| • <b>Certificates</b>  | Online                  |
| <i>Various certifications</i>  |                         |
| ○ <b>Basic Java Certification:</b> HackerRank, Scored in the top 5%  |                         |
| ○ <b>Problem Solving Certification:</b> HackerRank, Demonstrated strong problem-solving skills                         |                         |
| ○ <b>IBM AI Certification:</b> Artificial Intelligence powered by IBM  |                         |