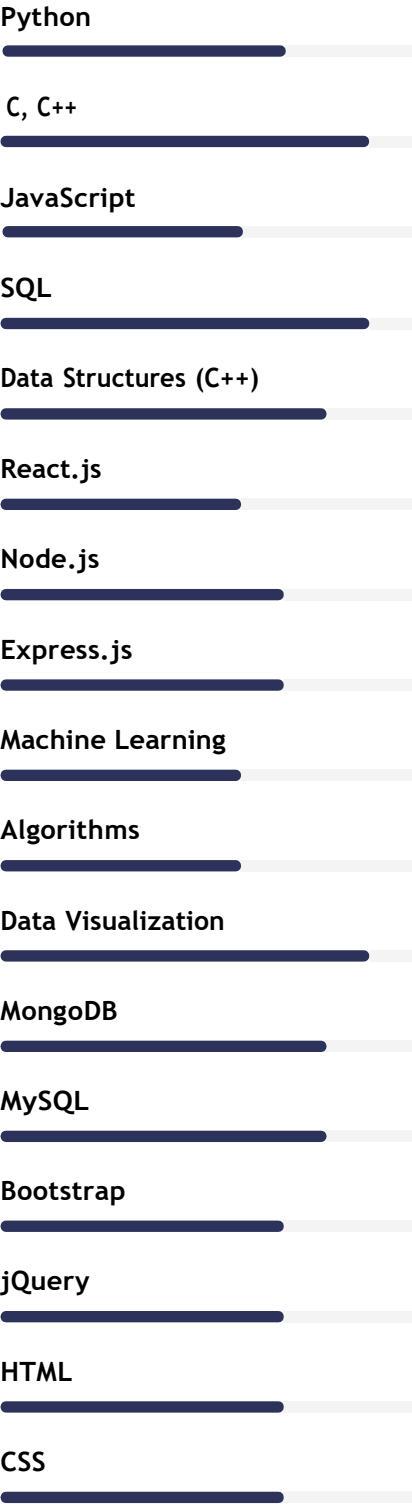


## CONTACT

- ✉ shyamramp22@gmail.com
- 🔗 ShyamInCode
- in shyamram12
- ☎ +91 7815802289

## SKILLS



# PATNALA SHYAM RAM

## EDUCATION

B.Tech - Chemical Engineering ( CGPA - 7.25 ) IIT - Hyderabad, Telangana	2024
Intermediate - M.P.C (APBIE) ( CGPA - 9.94 ) Sri Chaitanya, Visakhapatnam	2019
Class X. - BSEAP ( CGPA - 9.3 ) S.F.S High School, Visakhapatnam	2017

## PROJECTS

<b>Blog Application (MERN Stack)</b> Tool: React.js, RESTful APIs, CRUD operations Built a web application for users to create and edit blogs using <b>MERN</b> stack. Implemented authentication and authorization features to secure the access to the app.	2024
<b>Amazon User Segmentation</b> Tool: K-Means Clustering, Matplotlib Employed the K-Means clustering algorithm to segment Amazon users based on their behavior. Utilized the elbow method to determine the optimal number of clusters. Visualized the results using Matplotlib.	2024
<b>Personal Portfolio Website</b> Tool: JavaScript, Bootstrap, jQuery, HTML, CSS Developed a dynamic portfolio website using JavaScript, jQuery, and Bootstrap to showcase web development skills and successfully deployed the website on AWS.	2024
<b>Real-time Stock Price Data Visualization</b> Tool: Python, Streamlit, Matplotlib Developed an interactive Python app using Streamlit and Matplotlib to visualize real-time stock prices of different companies.	2023
<b>Algorithm Visualizer</b> Tool: Algorithm implementation, Web Audio API Developed an interactive web application for education purpose showcasing sorting algorithm using basic HTML, CSS and JavaScript with an auditory feature via Web Audio API.	2023
<b>Walmart Sales Data Analysis</b> Tool: MySQL, Feature Engineering, Data Wrangling Explored sales data from three different branches using MySQL to understand top-performing products, sales trends, and customer behavior.	2023
<b>Path Finding Visualizer</b> Tool: python , Algorithm Implementation Implemented a GUI for optimal path finding in a randomly generated maze using the A* algorithm, with real-time visualization of algorithm's progress and paths by highlighting visited nodes.	2023

REST API's

Cloud

## OTHERS

Git, Postman, OOPS, Matlab, DBMS, NumPy, Pandas, Scikit-Learn, MySQL, PostgreSQL, Mongoose, Matplotlib, seaborn, Jupyter Notebook

SIR Virus Simulation

2023

Tool: C

Developed a SIR (Suspect, Infect, Recovered) Graph Model to simulate the spread of COVID-19 epidemic within a time frame.

Database Management of Scientific Publications

2023

Tool: PostgreSQL, python

Created and implemented a robust relational database using a Python script, and successfully executed intricate PostgreSQL queries to retrieve targeted information.

## ACHIEVEMENTS

- Secured **AIR 11375** in JEE Advanced out of 1.6 Lakh candidates.
- Secured **5426** Rank in AP Eamcet out of 3.38 Lakh candidates .