

# T J V S Nagarjuna

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## EDUCATION

- Institute Of Aeronautical Engineering** Dundigal, Hyd  
*B-Tech(Computer Science and Engineering): 8.12 (CGPA)* Nov 2020 - June 2024
- Sri Chaitanya Junior College** Kukatpally, Hyd  
*Class 12(MPC); 97(percentage)* June 2018 - June 2020
- St Martin's High School** Miyapur, Hyd  
*CBSE: 84 (Percentage)* June 2007 - June 2018

## SKILLS SUMMARY

- Programming Languages:** Python, C, JavaScript, Angular JS, Java (basic)
- Web Development:** HTML5, CSS3, ReactJS
- Version Control:** Git
- Project Management:** JIRA
- Database Management:** MySQL
- Cloud Technologies:** AWS (EC2, Load Balancer, S3, IAM, CloudWatch, ECS, Opensearch, CI/CD Pipeline, Code Commit, Prometheus)
- Soft Skills:** Effective Leadership, Active Participation, Problem Solving, Collaborative Teamwork, Flexibility
- Interests:** Full-stack Development, Chess, Rubix Cube Solving, Content Writing

## CODING PROFILES

- LeetCode - 20951a0596:** Problems- 205
- HackerRank - 20951a0596:** Badges- 4
- GeeksForGeeks - 20951a0596:** Rank- 40
- Codechef - nagarjuna\_05:** Rating- 1230

## EXPERIENCE

- Sears Holdings India** Hyderabad, India  
*Full-stack Intern* June 2023 - January 2024
  - Admin Tool Development:** Engineered a comprehensive admin tool to monitor logs, manage routes, and facilitate role-based access. The tool incorporates advanced features such as Opensearch scheduler and alerting through email. Utilized a technology stack consisting of Spring Boot, Angular.js, and deployed the solution on an Nginx server hosted on AWS.
  - AWS CloudWatch and Prometheus Dashboard Implementation:** Played a pivotal role in implementing AWS CloudWatch to proactively monitor the entire IGS log stack. Additionally, led the development of a comprehensive Prometheus dashboard for site monitoring, replacing the traditional CloudWatch setup. This dual initiative significantly improved the identification and resolution of API issues, resulting in a substantial reduction in system downtime and overall performance enhancement.
  - Integrated Gateway Service (IGS):** Spearheaded the development of the Integrated Gateway Service for the Sears web application, focusing on intricate business logic implementation. Played a pivotal role in programming and optimizing the core functionalities of IGS.
- LetsGrowMore** Remote  
*Web Developer* March 2023 - April 2023
  - Authorization Page Optimization:** Implemented dynamic API calls to optimize the authorization page, significantly enhancing user experience and reducing loading times. Leveraged JavaScript, HTML, CSS, and MySQL to implement these improvements.
- Marpu Foundation** Remote  
*Content Writer* October 2022 - November 2022
  - Social Media Management and Content Creation:** Led content creation and social media management for Marpu Foundation events. Successfully planned, developed, and executed content strategies for three events within a month. Collaborated closely on blog writing, social media content, and articles.

## ACADEMIC PROJECTS

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- **Bulky Mail Sender (Mini Project):** Developed a Python program utilizing SMTP for efficient email communication. The application supports the sending of various file types, including images (PNG, JPG), and PDF documents. Implemented features encompass plain text, document attachments, and styled content embedded using HTML.
- **Personal Portfolio:** Created a comprehensive personal portfolio showcasing my professional journey, projects, skills, coding proficiency, and co-curricular activities. The portfolio is a dynamic single-page application crafted using HTML, CSS, JavaScript, and TypeScript. It provides seamless navigation between different sections, offering an immersive user experience.
- **Weather Checking App:** Engineered a React-based application that retrieves accurate weather information based on user input, including city name and temperature in Celsius. The application prioritizes user scalability and security, providing a seamless single-page experience for enhanced end-user engagement.
- **Lung Tumor Prediction Model using Federated Forest (Major Project - Developing Phase):** Spearheaded the design and development of a cutting-edge lung tumor prediction model leveraging the federated forest approach. The federated architecture aggregates performance metrics from multiple clients, facilitating the creation of a global model on a centralized server. The implementation, utilizing random forest algorithms, ensures accurate predictions from raw user data. The project is hosted on AWS.

## ACHIEVEMENTS

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- **EY Scholarship Finalist - Business Case:** One among top 50 out of 78000 participants - Dec, 2023
- **Elite Certificate in Software Testing Course[NPTEL]:** April, 2023
- **VNR Coding Contest Finalist:** Dec, 2022
- **Cocubes [Top 1 Percentile Institution Rank]:** May, 2023
- **EPAM - Certified Web Developer:** March, 2023