Venkata Sai Prabhakar Palakurthi

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Experience

Technical Hub, Java Intern   Aug 2024 – Dec 2024

- Contributed as a Java Intern by clarifying students' doubts and reinforcing their understanding of core Java concepts. Also assisted over 50 students weekly.

Certifications

- **HTML & CSS, Java** - Certiport (A Pearson VUE Business)
- **C++, CCNA** - Cisco Networking Academy
- **Red Hat System Administrator** - Red Hat
- **IoT** - NPTEL (National Programme on Technology Enhanced Learning)

Skills

- **Programming Languages**: C++, Java, C, Python
- **Front-end Technologies**: HTML, CSS, JavaScript
- **Frameworks & Libraries**: React, Express.js, Node.js, React Native
- **Databases**: SQL, MongoDB, DBMS Concepts
- **Technical Expertise**: Data Structures & Algorithms, Operating Systems, Networking

Projects

Collegium

- **Collegium** is a web-based collaborative platform designed for students, featuring a **Student Marketplace** and a **Discussion Forum**.
- Enabled a community of 500+ active users to buy, sell, and discuss academic queries, fostering a 30% increase in engagement over six months.
- Tools Used: HTML, CSS, JavaScript, React, Express.js, MongoDB.

Steganography

- Developed a **Steganography Application** in Java using the **Least Significant Bit (LSB)** technique to embed and extract messages from images.
- Achieved a data integrity rate of over 98% while maintaining image quality, and designed a user-friendly GUI for encoding and decoding.
- Tools Used: Java (JDK 8+), Java Swing, JavaFX.

Achievements & Awards

- **Third Prize** in the Quiz Competition on **12th October 2019** during the **Postal Week Celebration** organized by the **Office of Superintendent of Post Offices, Kakinada Division**.
- Secured **63rd rank** in the **ECET (Common Entrance Test)**, earning B.Tech admission from Diploma.
- Solved over **300+ problems** on LeetCode and **190+ problems** on GeeksforGeeks.

Education

Bachelor of Technology (B.Tech) in Computer Science
Aditya College of Engineering and Technology   Aug 2023 – May 2026

- Current CGPA: 7.52/10

Diploma in Computer Engineering
Aditya Polytechnic Colleges   Oct 2020 – May 2023

- Achieved an aggregate score of 86.6%.