

# Jasti Abhishek Chowdary

Vijayawada, India | abhishekchowdary2003@gmail.com | 8317510237 | yourwebsite.com | LinkedIn

Github

## SUMMARY

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A dedicated and detail-oriented Computer Science student with hands-on experience in full-stack development, machine learning, and quantum computing. Skilled in developing data-driven solutions and deploying real-world applications. Strong ability to work in interdisciplinary teams and a passion for continuous learning.

## Technical Skills

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- Programming Languages: Java, Python, C, C++
- Full-Stack Development: HTML, CSS, JavaScript, Django, Node.js, MongoDB, React, SQL
- Platforms: MATLAB, Jupyter Notebook, Google Colab, VS Code, GitHub, Android Studio, Flutter

## Experience

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**Research Intern**, VIT AP (Dr. Hussain Syed) Aug 2024 – Nov 2024

- Developed a U-Net architecture for medical image segmentation, improving diagnostic accuracy by 25
- Implemented data augmentation techniques, increasing dataset size by 30
- Leveraged skip connections to preserve details in image encoding and decoding, improving feature representation.

## Education

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**VIT AP UNIVERSITY**, B Tech in Computer Science and Engineering Sept 2021 – June 2025

- GPA: 8.0/10

**NARAYANA JUNIOUR COLLEGE**, Aug 2019 – June 2021

- Higher Secondary Education GPA: 8.7/10

**Sri Guru Datta High School**, Aug 2015 – June 2019

- Secondary Higher Education GPA: 9.5/10

## Projects

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### Full-Stack Online Auction Website

- Built a fully functional online auction platform using the MERN stack (MongoDB, Express, React, Node.js) supporting real-time bidding and secure transactions.
- Implemented user authentication and live auction management features, providing a seamless and engaging user experience.

### Full-Stack Online Library Management System

- Developed an online system for managing books, enabling users to search, borrow, and return books digitally.
- Integrated real-time catalog updates and automated notifications, ensuring an efficient user experience.

### Quantum Reinforcement Learning for Portfolio Optimization

- Integrated quantum computing with deep reinforcement learning to optimize financial portfolios, achieving enhanced computational efficiency for complex data.

## CERTIFICATIONS

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- Java Development on Oracle Cloud by Oracle
- Full Stack Web Development Bootcamp by Dr. Angela Yu (Udemy)
- Python by Dr. Angela Yu (Udemy)
- CS50's Introduction to Artificial Intelligence with Python