

# Aditi A

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## Professional Summary

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Aspiring Software Engineer with a strong foundation in Data Structures, Algorithms, and Object-Oriented Design. Proficient in full-stack development using modern JavaScript technologies including React.js and Node.js. Experienced in building scalable applications with RESTful APIs, MongoDB, and SQL. Passionate about crafting efficient, clean code and solving complex problems. Leveraging expertise in core software development principles and certified in ServiceNow (CSA & CAD), I excel at architecting and building scalable, data-driven applications that solve complex business challenges.

## Education

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**Vignana Bharathi Institute of Technology, Hyderabad**

2022 - 2026

Bachelor of Technology in Computer Science and Business Systems

## Skills

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**Programming Languages:** Java, JavaScript (ES6+)

**Frontend Technologies:** React.js, HTML5, CSS3, Bootstrap, Tailwind CSS, Material-UI

**Backend Technologies:** Node.js, Express.js, RESTful APIs

**Databases & Platform:** MongoDB, SQL, ServiceNow

**Tools & Practices:** Linux/Bash, Postman, Jest, Agile Methodologies

**Core Concepts:** Data Structures & Algorithms, Object-Oriented Programming (OOP), System Design Fundamentals

## Projects

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### Equityze - Full-stack Online Stock Broking Platform

*React.js, Node.js, Express.js, MongoDB, Material-UI, Bootstrap*

- Engineered a secure full-stack trading application with a React frontend and a Node.js, Express.js RESTful API backend, featuring user authentication, portfolio management, and simulated live equity trading.
- Designed a responsive dashboard with Material-UI and a landing page with Bootstrap, creating a seamless user experience and demonstrating proficiency in modern CSS frameworks and component libraries.
- Implemented a scalable MongoDB database to manage user transactions and holdings, and validated application reliability by writing unit tests for core functions with Jest.

### Real-Time Video Conferencing Platform

*WebRTC, Socket.io, React, Node.js, Express, JWT, Material-UI*

- Architected a secure, low-latency video conferencing solution using WebRTC for peer-to-peer media streaming and Socket.io for real-time signaling, enabling seamless multi-user video/audio communication.
- Engineered a full-stack authentication and room management system with Node.js, Express.js, and JWT, utilizing bcrypt for security and generating unique, encrypted room IDs to ensure private meeting access.
- Built a responsive and modern React frontend with Material-UI, implementing intuitive controls for video, audio, and screen sharing, providing a professional user experience comparable to industry standards.

## Leadership

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### IEEE - VBIT SB

June 2024 - June 2025

Membership Development Officer

- Engineered technical learning programs that blended emerging technologies with leadership development, preparing 100+ students for technology-driven corporate challenges.
- Demonstrated executive presence through stakeholder management and strategic communication, driving 40% membership growth and establishing foundations for client advisory roles.