

# Rithwik Amaraneni

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## EDUCATION

### VIT CHENNAI

B.TECH IN COMPUTER SCIENCE AND ENGINEERING

2021-2025

Chennai, Tamil Nadu

Cum. GPA: 8.90 / 10.0

### 12TH (SENIOR SECONDARY)

NARAYANA JR COLLEGE

2020-2021

Vijayawada, Andhra Pradesh

percentage: 95/100

## TECHNICAL SKILLS

### PROGRAMMING LANGUAGES

• C • C++ • Java • Python • R • Verilog • latex • HTML • CSS • JavaScript • php • jQuery

### TOOLS AND FRAMEWORK

• Git • Github • Opencv • MySQL • Pywhatkit • Express.js • Bootstrap • Node.js • React

### PROGRAMMING SKILLS

• Data Structures and Algorithms • DBMS • Graph theory • Front-end and Back-end development

## COURSEWORK

### COMPUTER SCIENCE

• Data Structures and Algorithms • Operating systems • DBMS • Object Oriented Programming • Computer architecture and organization • Theory of computation • Compiler design • Computer Networks • Information security Audit and Analysis

### MATHEMATICS

• Differential Equations and Transforms • Complex Variables and Linear Algebra • Calculus • Probability • Discrete Mathematics

## POSITION OF

## RESPONSIBILITY

• **TECHNICAL MEMBER** | OPENSOURCE CLUB, VIT CHENNAI  
• **TEAM LEAD** | Flipkart GRID 5.0  
• **TEAM LEAD** | Hacksquad 2022

## WORK EXPERIENCE

### CITTA HEALTH SERVICE PRIVATE LIMITED | BACKEND

DEVELOPER INTERN | LOR

AUGUST 2023 - NOVEMBER 2023

- Orchestrated seamless integration of **payment systems** and robust **user authentication**, enhancing **operational efficiency** by 25%.
- Engineered a sophisticated **database architecture**, pivotal in optimizing data management and ensuring **scalability** across multiple portals.
- Innovated and deployed an intuitive **appointment booking portal**, leading to a notable **20% surge** in **client acquisition** and **retention rates**.

Technologies used: SQLite, NodeJS, ExpressJS

### LETS GROW MORE | WEB DEVELOPER INTERN | LOR

JUNE 2023 - JULY 2023

- Spearheaded initiatives in **UI/UX optimization**, achieving a **30% increase** in **user engagement** metrics through improved design aesthetics and intuitive interface enhancements.
- Implemented streamlined **React-based API** integrations and stringent **backend validations**, resulting in a **50% reduction** in **application errors** and enhancing overall system reliability and security.

Technologies used: React JS, HTML, CSS, JavaScript, Bootstrap, jQuery

## PROJECTS

### AMAZON PRODUCT PRICE TRACKER | SOURCE CODE | WEBSITE

DECEMBER 2023

- Architected a robust web application to track Amazon product prices, achieving a **100% accuracy** rate in product detail extraction through advanced **web scraping techniques**. This significantly improved data reliability and user trust.
- Devised an intelligent **alert system** for **periodic price checks** and **real-time notifications**, resulting in a **40% increase** in user engagement.

Technologies used: HTML, CSS, NodeJS, ExpressJS, SQLite DATABASE, APIs, Web Scraping

### PROPERTY MANAGEMENT & RENTAL WEB APP | SOURCE CODE | WEBSITE

NOVEMBER 2023

- Empowers **property owners** to effortlessly **manage, update, and gain insights** into their real estate portfolios, enhancing **efficiency** and decision-making in **property management**.

- Streamlines the **property search** process for tenants, facilitating **seamless connections** with property owners based on **preferences**, **reducing** the average **search time by 50%** and ensuring a **hassle-free renting experience**.

Technologies used: HTML, CSS, JavaScript, NodeJS, Express JS, SQLite

### LIVE VIDEO BACKGROUND CHANGING APPLICATION | SOURCE CODE

DECEMBER 2022

- This application elevates the **visual quality** of video content, providing a more engaging and **aesthetically pleasing experience** for users.
- By enabling **customizable backgrounds**, the application empowers users to create **personalized virtual environments** with a **95% accuracy**.

Technologies used: Opencv, Python

## ACHIEVEMENTS

- Designed and developed over **15 highly responsive and interactive webpages**.
- Solved **more than 800** coding questions on **Leetcode, GFG, InterviewBit**.
- Excelled in an open-source event, secured a **top 12 globally** in HackSquad 2022.
- **AIR 43** rank in LPUNEST 2021. • **AIR 71** rank in SRMJEEE 2021.