

Rithwik Amaraneni

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EDUCATION

VIT CHENNAI

B.TECH IN COMPUTER SCIENCE AND ENGINEERING

2021-2025 (Expected) | Chennai, Tamil Nadu

Cum. GPA: 8.85 / 10.0

12TH (SENIOR SECONDARY)

NARAYANA JR COLLEGE

2021 | Vijayawada, Andhra Pradesh
percentage: 95/100.0

HIGH SCHOOL

NARAYANA HIGH SCHOOL

2019 | Nellore, Andhra Pradesh

Cum. GPA: 9.8 / 10.0

TECHNICAL SKILLS

PROGRAMMING LANGUAGES

- C
- C++
- Java
- Python
- HTML
- CSS
- JavaScript
- Verilog
- latex

TOOLS AND FRAMEWORK

- Git
- Github
- Opencv
- MySQL

PROGRAMMING SKILLS

- Data structures and Algorithms
- DBMS
- Front-end and Back-end development

COURSEWORK

COMPUTER SCIENCE

- Data Structures and Algorithms
- Operating systems
- Database Management systems
- Object Oriented Programming System
- Computer architecture and organization
- Theory of computation
- Compiler design

MATHEMATICS

- Differential Equations and Transforms
- Complex Variables and Linear Algebra
- Calculus
- Probability Theory

PROJECTS

MOTION DETECTION USING OPENCV | SOURCE CODE

Jan 2022

- The project is improved by maximizing the positive outcome. With the help of threshold frame the program will calculate the counters and with the help of counters we can able to find whether the motion is there or not. By using the pyWhatkit module the program will send the message.
- The project works to detect the motion. If the program finds any motion then it will automatically send an whatsapp message within a minute to the owner. In the real life scenario this project helps a lot.
- Technologies used: **Python, Opencv, pywhatkit**

HACKTOBERFEST | OPEN SOURCE

Sep 2022

- I have worked on the front-end of the open-source projects and helped them improve their user interface.
- Using the css, html, JS i have changed the design of the project interface according to the users.
- Technologies used: **C++, HTML, css, JavaScript**

HACKSQUAD | SOURCE CODE | OPEN SOURCE

Sep 2022

- Contributed to an open-source game project from the basic stage to the advanced stage using the skills I have learned.
- Enhanced the UI/UX of some Open source projects.
- My team and I worked hard to place in the top 15 teams of HackSquad 2022 by contributing to numerous open source projects. Learned many new things while working with the team.
- Technologies used: **C++, HTML, CSS, JavaScript.**

ACHIEVEMENTS

- Selected for the **SOCIAL WINTER OF CODE 2023**.
- Secured **15th** rank in **HackSquad 2022**.
- Successfully completed **Hacktoberfest 2022**.
- **AIR 3800** rank in VITEEE 2021.
- **AIR 43** rank in LPUNEST 2021.
- **AIR 71** rank in SRMJEEE 2021.

CERTIFICATIONS

- Certificate for Completion of **HTML Web Development Crash Course** by Infosys.
- Certificate for Completion of **CSS Web Development Crash Course** by Infosys.
- Certificate for Completion of **Java basic** by HackerRank.
- Certificate for Completion of **Python** by IIT Bombay.
- Certificate for Completion of **Advanced Cpp Training** by IIT Bombay.
- Certificate for Completion of **C Training** by IIT Bombay.

LEADERSHIP ACTIVITIES

- Worked as a team lead at HackSquad 2022 opensource event.
- Organized many events in the university.