DHANUSH CHAKRAVARTHY R

ASPIRING SOFTWARE DEVELOPER

CONTACT

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GitHub
https://github.com/DhanushChakravarthy

AWARDS

- **Star of Agni (Co curricular)**
- **Best Outgoing Student**

SOFT SKILLS

- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking

TECH SKILLS

- Python (Expert)
- Java (Intermediate)
- C++ (Intermediate)
- Data Structures
- SQL, MySQL
- Game Development
- AR/VR Development
- Web Development (Basic)

LANGUAGES

- Tamil (Mother Tongue)
- English (Fluent)

PROFILE

I am a Computer Science graduate with a strong foundation in programming, problem-solving, and software development. Skilled in the industry 4.0 technologies to deliver innovative solutions through academic projects and internships. Adept at collaborating in teams, learning quickly, and adapting to new challenges which makes me a passionate contributor pushing the boundaries of Innovative experiences.

EDUCATION

Bachelor of Computer Science & Engineering — 2021 - 2025

Agni College of Technology

CGPA: *8.7*

St. Bede's Anglo Indian Hr Sec School — 2020 - 2021

Higher Secondary Certificate

Percentage: *90%*

INTERNSHIP

AR/VR Developer — JAN 2024 - SEPT 2024

TamilNadu Smart and Advanced Manufacturing Centre

Technologies Used: *React, Node.js, MongoDB, Express, Stripe API*

PROJECTS

VR Disaster Management Simulator for Building Collapse Rescue Operations

This project immerses users in realistic disaster scenarios, offering a hands-on virtual training experience for building collapse rescue operations within the dynamic realm of virtual reality.

Technologies Used: *Unity Engine, Blender, VRIF, Java*

Advanced VR Simulator for Precision Fire Rescue in Oil and Gas Environments

An immersive VR simulator designed for the oil and gas industry, featuring dynamic levels where players navigate rescue and excavation paths, strategically saving hostages and overcoming challenges in hazardous environments

Technologies Used: *Unity Engine, Blender, OpenCV, Python, Java*

Autonomous fire fighting drone

A autonomous Drone that is capable of extinguishing the fire by detecting it with the opencv and the mob-CO2.It's triggered by a emergency number and it reacts 6x faster. Entire simulation is made in blender.

Technologies Used: *OpenCV, Python, Java*

ORGANIZATIONS

Student Director of Creativity
Agni College of Technology

Indoor and Outdoor Aerial Mapping Drone

a versatile mapping drone, seamlessly transitions between an outdoor aerial drone and an indoor FPV drone, enabling swift and precise reconnaissance for rescue teams in building collapse scenarios, facilitating efficient identification of trapped civilians and access points

Technologies Used: *OpenCV, Python, Java*

Next gen advanced CCTV analysis application

The application that is capable of real-time monitoring the live feed by detecting each and every movement and recording it in the database and notify and trigger alarm when threats occurred. It is categorized as three levels as per the level of threats

Technologies Used: *Java, Python, OpenCV*

Kan Ezhutu - A braille Learning System

This project is about educating visually impaired persons by creating a AI model that handles the learning personalized based on the user experience and through the dedicated Hardware.

Technologies Used: *Python, Java, SQL, MongoDB, APIs*

ACHIEVEMENTS & HACKATHONS

- Recognized for academic excellence and maintaining a CGPA of 8.7 in my college.
- Secured first Place in the Drone Hackathon Organized by New Prince shri Bhavani institute of Technology.
- Finalist in the Smart India Hackathon 2024
- Finalist in the SopraSteria International Student Innovation Challenge