

Rudrakumar Balakumar

✉ dir.rudra@gmail.com ☎ +919962481816 in rudrakumarb

PROFILE

Good team player | Adaptive to new trends or changes | Skilled public speaker | Event hosting experience | Focused on learning | Applies learned knowledge in various domains | Versatile | Good communicator

EDUCATION

B.E Computer Science and Engineering
Chennai Institute of Technology

Chennai, India

Higher Secondary Education
Lalaji Memorial Omega International School

Chennai, India

SKILLS

Development Languages (Python, Java, JavaFX, HTML/CSS, C/C++, JavaScript, GO lang, TypeScript)

Software Tools (Blender 3D, Unreal Engine 5, Davinci Resolve 17, Google Suite, Microsoft Office, Metamask, GIMP, Krita)

Frameworks (MySQL, Django, ReactJS, NodeJS, ExpressJS, NextJS, Supabase, StreamLit, Firebase)

Soft Skills (Ability to Work in a Team, Basic Accounting, Communication Skills, Contract Negotiation, Decision Making, Fast Learner, Situational Awareness, Lateral Thinking)

INTERNSHIPS

Fullstack Developer
RPZ Enterprises

05/2023 – 07/2023 | Chennai, India

- Founded a small organization, delivering dynamic websites to local businesses as a summer project/internship.
- Focused on framework integration, API utilization from diverse tools, and project management during the internship.
- Provided comprehensive web solutions while honing skills in API integration and project coordination.
- Managed business operations and cultivated client relationships, ensuring satisfaction and retention of local businesses.

Fullstack & AR/VR developer
Veerel Enterprises

06/2023 – 08/2023 | Chennai, India

- - Developed a dynamic webpage with real-time functionality and payment transaction capabilities during a summer internship.
- Created a dedicated virtual environment enabling exploration of multiple real-world emulated locations and architectural structures.
- Combined web development skills with virtual environment creation for a comprehensive project experience.

Junior 3D Engineer
Lux and Decibels


02/2023 – 03/2023

- Tasked with creating and manipulating 3D objects.
- Created virtual environments and implemented blueprints.
- Simulated an animated objects for presentation of VR Environment.

CERTIFICATES

- IBM - Introduction to Cloud
- IBM - Python for Data Science, AI & Development
- CCNAv7: Introduction to Networks
- IBM - Django Application Development with SQL and Databases
- IBM - Developing Front-End Apps with React
- CCNAv7: Switching, Routing, and Wireless Essentials
- IBM - Introduction to Web Development with HTML, CSS, JavaScript
- IBM - Developing Back-End Apps with Node.js and Express
- UiPath Citizen Developer certificate

PROJECTS

DnD - Social Networking Web App 
https://github.com/dirrudra/DnD_Deploy

- A social networking app for collaborating and creating stories.
- Allows users to create and join sessions.
- Authentication and DBMS session calling.
- Implementing Gen AI to help create dynamic imagery and conversational assistance

Virtual Reality-Based Training for Air Marshalling Operations

SIH 1411

A small AR/VR training simulator that is used to train air marshals and security officers. 1st place winner at SIH 2023

Unisys - Drugs awareness platform + ChatBOT

A platform designed with the intent of emulating adverse effects of narcotics and providing a support system with an GenAI chatbot interface to improve efficiency of user experience and retention.

Movie Review Analysis

<https://github.com/dirrudra/Streamlit.git>

A streamlit project that marks the introduction to data science and data analytics projects.

Misinformation Detector

<https://github.com/dirrudra/ImageGalleryDJ.git>

A small project that detects misinformation on social media using adaptive AI methods and string and character operations.

ACHIEVEMENTS

SIH Finalist and 1st Place Winner

Participated and Competed in the National Level Hackathon SIH and won 1st place in the problem statment SIH1411

LeetCode

Successfully completed 553 LeetCode problems and achieved the rank of 71,759th globally

LeetCode

Successfully complete the Binary Search Roadmap and the MySQL roadmap on LeetCode

Vice Chairperson of UN Women committee in MVM 22"

Successfully coordinated and co-hosted a committee about Women in social media for Model UN Women.