Dhananjay R

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Education

Rajiv Gandhi Institute of Technology	Kottayam, Kerala, India	Sept 2023 – Present
B.Tech, Computer Science & Engineering		**CGPA: 8.0 / 10**
Silver Hills Public School	Kozhikode, Kerala, India	Mar 2022
Higher Secondary Education (Class 12)		**Percentage: 94.2%**

Projects

Official Website – Victoria (Award-Winning Malayalam Film)
Developed the official website for the award-winning Malayalam feature film Victoria (produced by KSFDC, featured at IFFK), using React, AstroJS, Tailwind CSS, and MUX Video API, with interactive SVG animations. [Source]

Mentora.ai – From Tutorial Hell to Mastery
Built a free browser extension to help learners escape "tutorial hell" by introducing periodic knowledge checks in long-form YouTube tutorials. Designed and implemented core functionality using HTML, CSS, JavaScript, and Express.js. Developed as part of the CODE ReCET 2.0 Hackathon, where our team was selected from 1,000 applicants. [Source]

Roboignite – Website Development (Flagship IEEE SB RIT Event)
Developed the official website for Roboignite, the flagship event of IEEE SB RIT. Built with React, TypeScript, Tailwind CSS, and Three.js, featuring responsive design and interactive 3D visuals. The platform was used for event promotion and participant engagement, contributing to successful registrations and outreach. [Source]

Internships and Hackathons

Hackathon winner- Useless Projects   Nov 2024

Won the Useless Projects Hackathon, hosted by Tinkerhub RIT. Built a fun game using JavaScript and Phaser.js, exploring creative and experimental aspects of game development.

Internship at IIIT Kottayam   May - Aug 2025

Developed a 2D CNN-based architecture for classifying multiple classes of cardiac arrhythmia from ECG data. Implemented Grad-CAM for model explainability, highlighting decision regions and improving interpretability. Focused on model optimization and evaluation to achieve reliable classification performance.

Works and Responsibilities

YouTube Channel – *Let the Devs Cook*
Content creation for the *Let the Devs Cook* **YouTube channel**, focusing on computer science content with an emphasis on front-end web development. [Source]

Webmaster - IEEE SB RIT
Lead and manage the web team for the IEEE Student Branch at RIT Kottayam, overseeing the design, development, and maintenance of the official website while ensuring a user-friendly and responsive experience across all devices.

Volunteer - SAE - A-Baja Machine learning team
Volunteering with the machine learning team for the A-Baja autonomous vehicle competition.

Skills

Programming Languages: Javascript/HTML/CSS, Python, Java, C
Frameworks/Libraries: React, Astro.js, Express.js, Tailwind CSS
Tools: Git, GitHub, VS Code, Ubuntu