

Rohit Krishnan

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EDUCATION

Amrita Vishwa Vidyapeetham, Amritapuri

Bachelor of Technology in Computer Science and Engineering

Kollam, Kerala

Sep. 2021 – May 2025

EXPERIENCE

LFX' 24 | *Linux*

June 2024 – Present

- Contributing to Linus' Tree and other trees on different subsystems
- Learning and working on Linux Kernel crashes and how to fix and prevent future crashes caused by bugs

PROJECTS

POTD-NASA | *HTML/CSS, JavaScript, React, NASA APOD API*

Dec 2024 – Jan 2025

- Astronomy Picture of the Day App build using React.js and NASA APOD API

ToDoList | *HTML/CSS, JavaScript, React*

Dec 2024 – Jan 2025

- CRUD Todo App build using React.js
- Hosted using Netlify

YouTube Playlist Duration Calculator | *Python, Flask, YouTube Data API v3*

Sep 2024 – Oct 2024

- Web application that calculates the total duration of all the videos in a YouTube playlist
- Built with Python and Flask on the backend, and HTML and CSS on the frontend
- Uses YouTube Data API v3 to fetch video data from the playlist

PPE Detection using Advanced ML Models | *YOLOv8*

Nov 2023 – Dec 2023

- Segmentation model used to find missing PPE kit equipments
- Compared accuracy with multiple versions of YOLOv8 to find most accurate one

TECHNICAL SKILLS

Languages: Python, Kotlin, Java, SQL (Postgres), JavaScript, HTML/CSS, Bash

Frameworks: React, FastAPI, LLaMA 3, YOLOv8, Flask, YouTube Data API v3

Developer Tools: Git, Google Cloud Platform, VS Code, PyCharm, IntelliJ, Eclipse, Streamlit

Libraries: pandas, NumPy, Matplotlib, SFTTrainer, scikit-learn, Tensorflow

CERTIFICATES

Google IT Support Professional Certificate: Computer Networks, Operating Systems

Google Data Analytics Professional Certificate: Data Science, SQL, R Programming

A Beginner's Guide to Linux Kernel Development LFD103: Linux, Git, Open-Source

The Complete SQL Bootcamp: Go from Zero to Hero : SQL, PostgreSQL

EXTRACURRICULAR ACTIVITIES

Community Head | *Amrita eSports Community*

Aug 2023 – June 2024

- Conducted multiple events during tenure and expanded to other Amrita institutes
- Improved member retention and recruited new members, increasing number of members by 300%

Coordinator | *CryptoCon(Vidyut '23)*

Mar 2023 – May 2023

- Coordinated the most profitable event in the multi-fest, around 100 participants
- Conducted Kerala's first crypto-trading competition

COMMUNITY OUTREACH

Ctrl+Alt+Secure | *Student Social Responsibility Project*

Apr 2023 – Nov 2024

- Conducted a cybersecurity awareness workshop for 100+ middle school students

Boy Scouts | *Scouts and Guides Guild*

May 2015 – Feb 2018

- Part of the Boy Scouts for 3 years. Participated in multiple cleanup drives and fundraising events