# Rohit Krishnan

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## EXPERIENCE

**Flutter Developer** — Remote
*2do Professionals* — *June 2025 – Present*

- Developing and maintaining the front-end of two cross-platform mobile applications using Flutter.
- Writing clean, maintainable, and reusable Dart code following best practices.
- Actively contributing to debugging, performance optimization, and feature enhancement cycles.

## EDUCATION

**Amrita Vishwa Vidyapeetham, Amritapuri** — Kollam, Kerala
*Bachelor of Technology in Computer Science and Engineering* — *Sep. 2021 – May 2025*

## PROJECTS

**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

**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

## TECHNICAL SKILLS

**Languages**: Dart, 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
**Google Cybersecurity Professional Certificate**: Python, SQL, SIEM Tools
**The Complete Full-Stack Web Development Bootcamp**: HTML/CSS, JavaScript, React
**Natural Language Processing**: Machine Learning, LLMS, Language Models, Deep Learning

## PUBLICATIONS

**Hyperspectral Imaging for Early Detection of Tomato Bacterial Wilt** — https://doi.org/g9r8d4

- Created 1D-ANN Model capable of detecting plant diseases earlier than visual detection stages using Hyperspectral Imaging

## Extracurricular Activites

**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