

# Dalvie Cherian Benu

A Computer Sciences masters student that is excited about learning and finding new ways to contribute to the IT industry

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## EDUCATION

### MSc in Computer Science

Vrije University and University of Amsterdam

09/2023

*Courses*

- <https://bit.ly/41yzt1h>

### BSc in Information Communication and Technology

KTH Royal Institute of Technology

08/2019 - 06/2023

*Courses*

- <https://bit.ly/3eV6fD8>

## WORK EXPERIENCE

### Teaching Assistant Ethical Hacking and digital design/embedded electronics

Royal Institute of Technology KTH

01/2022 - 06/2023

Stockholm, Sweden

*Achievements/Tasks*

- **Ethical Hacking:** Develop tools to assist in the administration of the class and maintain the virtual business environment hosted on google cloud that students hack. Python (flask), shell scripts and docker used to develop an API for students to request restarts of their target virtual machines to reduce the load on course administrators.
- **Digital Design/embedded electronics:** Lead the practical laboratory class for a circuit design and embedded electronics course. This involved grading lab assignments and assisting students with issues that may arise, as well as setting up lab kits and other administrative responsibilities before the start of the course. I worked closely with the professor as well as other teaching assistants.

### Functional Tester

Miniature Student Satellite KTH (MIST)

02/2023 - 06/2023

MIST is a CubeSat project built by students to be launched into space. For more information look [here](#).

*Achievements/Tasks*

- I work on ensuring that hardware components of the satellites function as expected and work in conjunction with the rest of the satellite and software. Work closely with the on board computer (OBC) team.

### Student Assistant

Vrije University

11/2023

*Achievements/Tasks*

- I work closely with the digital marketing team in the international office to handle market data and create effective campaigns to attract the best students in order to meet recruitment goals set by the university.

## SKILLS

Python

Java

C

Linux

Julia

REST API

Functional and Object-Oriented programming

Internet and Computer Security

Docker

Industrial Management

Git

Networks

Agile Software Development

English

Service Design and Architecture

Parallel Programming

## PERSONAL PROJECTS

Written Text to computer text converter

- Created a system built around a neural network to scan and parse a handwritten sentence into computer text.
- Built using Tensorflow and Keras.
- Achieved 94% accuracy.

Bachelors Thesis (02/2022 - 06/2023)

- Implement a new security protocol into the open source signal messaging app to offer deniability against a superior adversary.
- Security protocol was designed at KTH by professors and masters students.

## INTERESTS

Economics

New IT developments

Machine Learning

Internet Security