

CAREER OBJECTIVE

Learn from the industrial world to keep my technical skills updated and contribute towards the growth of the company.

EDUCATION

| Degree/Certificate | Institute/Board | CGPA / Percentage | Year |
|---|---|-------------------|--------------|
| B.Tech (Computer Science and Engineering) | IIT, Palakkad | 8.37 (Current) | 2021-Present |
| Class XII | PLACID V VIHAR SR SEC SCH CHANGANASSERY KOTTAYAM | 97% | 2021 |
| Class X | J N V ETC PO KOTTARAKARA KOLLAM DT KERALA | 98% | 2019 |

TECHNICAL SKILLS

- **Intermediate Level Programming Skills**

C++, C, Python

WORK EXPERIENCE

- **Data Science Intern**

May 2024 to Jul 2024

SATCARD

2-month summer internship at SATCARD (Smart AgriTech Centre for Advanced Research and Development), Palakkad. Worked primarily on privacy-preserving machine learning libraries in Python.

[Link](#)

PROJECTS

- **Abstract Syntax Tree Generator**

Feb 2024 to May 2024

Dr Unnikrishnan Cheramangalath

Course project

An Abstract Syntax Tree generator is created using Lex, Yacc, and C++. It takes a program in a C-like language, parses it, and generates its AST representation.

[Link](#)

- **Computational Tree Logic(CTL) Model Checker**

Mar 2024 to Apr 2024

Dr Jasine Babu

Course project

A CTL Model Checker is created that takes a formula in CTL representation and a model in the form of a Kripke structure and returns the set of states of the model that satisfy the formula. PLY (the Python lex-yacc library) is used to parse the formula. The formula inputted is converted to an equivalent formula constructed using a minimal set of CTL operators, which would then be used to find the set of satisfying states.

[Link](#)

- **Dungeons, a tool to learn Artificial Intelligence**

Aug 2023 to Dec 2023

Dr Narayanan C Krishnan

OELP

A group project that developed a software tool to learn Artificial Intelligence using Python and Pygame. The logical game Wumpus World functions as a simulator for user-written programs. Modules for Classical

Search, Adversarial Search, and Reinforcement Learning can be used to write, simulate, and evaluate Artificial Intelligence algorithms in their respective fields. Autograders are included into each module to evaluate and assign grades to user-written code automatically. [Link](#)

- **A classification model to predict landslides in the Idukki region** **Aug 2022 to Dec 2022**

Dr. Deepak Jaiswal, Dr. Sahely Bhadra

OELP

A landslide prediction model is created for the Idukki region using classification methods that predict whether a landslide will happen or not at a particular point in the region based on the input values of six selected landslide triggering factors at that point. [Link](#)

POSITIONS OF RESPONSIBILITY

- **Club Associate in Yet Another Coding Club**

Part of Game Developement team.

- **Core Team Member, Qriosity Quiz Club**

Set questions for the SciTech and India quiz competitions. Helps the club secretary organise Quiz Competitions.

EXTRA CURRICULAR ACTIVITIES

- **Active Participant in Yet Another Coding Club**

Participate in club coding contests and activities.

- **Member in Qriosity Quiz Club**

Attend Quiz competitions organised by the club.