

# Abhiram S

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## EDUCATION

### National Institute of Technology, Calicut

Jul 2018 – Present

B.Tech Civil Engineering

Currently in 8th sem with 8 CGPA

### Kendriya Vidyalaya, Pattom

Apr 2016 – Feb 2018

Higher Secondary

Passed with 93.6 %

## PROJECTS

### Traffic Signal Timing Optimization for Isolated Signals

- Created an intelligent transportation system for traffic flow control through traffic signal optimization.
- Used various optimization algorithms like Ant Colony algorithm and Genetic algorithm for finding optimal path.
- Traffic was simulated using VISSIM and the algorithms were modified to suit local traffic conditions.
- The ACO algorithm was found to produce better results and the total delay was reduced by 22 %.
- **Technologies Used** : Python, Numpy, Matplotlib, VISSIM, TRANSYT

### Personal Schedule Manager

- Option to add, remove and edit tasks, and alert overdue tasks.
- View all tasks for the week and sort by name, due date and importance.
- User registration for multiple people implemented using Flask.
- **Technologies Used** : Python, Flask, SQLite, Jinja, CSS, HTML

### Eduserver Attendance Automation Tool

- By using python for web scraping, the program marks the attendance on Eduserver.
- Added feature to open the corresponding class at the right time.
- Users can input username and password in the auto.py file and modify the timetable.py file to use the program.
- **Technologies Used** : Python, Selenium, Batchfile

### Personal Portfolio Website

- My personal portfolio which features some of my github projects as well as my resume and technical skills.
- Includes features like multi-page layout, fully responsive, Github contribution graph and easy customizability.
- Also includes an option to star and fork the portfolio for personal use.
- **Technologies Used** : React.js, Node.js, Express.js, CSS, Netlify

## SKILLS

C++ | Python | Javascript | SQL | NodeJS | ReactJS | ExpressJS | Bootstrap | CSS | HTML

## TOOLS

Git | VS Code | Docker | PyCharm | Netlify

## CERTIFICATES

**Programming for Everybody (Getting Started with Python)** (Coursera – Credential ID CERTAJTSKMXN)

## INTERESTS

Problem Solving | Distrohopping | Android Rooting | Linux Theming | Sketching

## POSITION OF RESPONSIBILITY

### Senior Executive

Ragam 2020 Workshop Committee

### Junior Executive

Ragam 2019 Hospitality Committee

### Junior Executive

Tathva 2018 PR Committee