ABHIRAM S

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EDUCATION

National Institute of Technology Calicut   Jul 2018 - Jun 2022

Bachelor of Technology, Civil Engineering

Graduated with 8.1 CGPA.

Kendriya Vidyalaya Pattom   Apr 2016 - Feb 2018

Higher Secondary, Computer Science

Secured 93.6% in AISSCE.

SKILLS

Languages	C++, Python, JavaScript, SQL, MATLAB, Bash
Frameworks	Flask, Django, NodeJS, ReactJS, ExpressJS
Tools	Git, Docker, Latex, MongoDB, PostgreSQL, MS Office, Vercel

PROJECTS

Traffic Signal Timing Optimization for Isolated Signals   **Technologies :** Python, Numpy, Matplotlib

- An intelligent transportation system for traffic flow control by traffic signal optimization on simulated traffic.
- Used various optimization algorithms like Ant Colony algorithm and Genetic algorithm for finding optimal path.
- The ACO algorithm was found to produce better results and the total delay was reduced by 22%.

Personal Portfolio Website   **Technologies :** ReactJS, NodeJS, ExpressJS, CSS, Vercel

- A personal portfolio website which features some Github projects as well as resume and technical skills.
- Includes features like multi-page layout, mobile responsivity, easy customizability and Github contribution graph.
- Includes an option to star the repository and fork the portfolio app for personal use.

Personal Schedule Manager   **Technologies :** Python, Flask, SQLite, Jinja, CSS, HTML

- A schedule manager website with options to add, remove and edit tasks, and alert overdue tasks.
- Feature to view all tasks for the week and sort the tasks by name, due date and importance.
- User registration feature for multiple people was implemented using Flaskr.

Eduserver Attendance Automation Tool   **Technologies :** Python, Selenium, Batchfile

- A tool which marks the attendance on Eduserver automatically by using python for web scraping.
- Includes a unique feature to open the corresponding class at the right time based on the data in timetable.py.
- Users can input username and password in the auto.py file and modify the timetable.py file to use the tool.

VOLUNTEERING EXPERIENCE

Creative Content Developer   May 2021 - Jul 2021

Vidyakansha NGO   *Remote*

- Developed content and organized modules for students to achieve application-based learning approach.
- Collaborated with the core members to ensure proper outcome and delivery of the content repository.
- Supervised a team of 8 junior interns which led to a 33% increase in the productivity of the members.

CERTIFICATES

- **Programming for Everybody (Getting Started with Python) - University of Michigan**