

Aadithya Sai G Menon

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EDUCATION

B.Tech. in Computer Science - CGPA: 8.45

College of Engineering Chengannur

2021 – Present

Alappuzha, Kerala

Senior Secondary Education - Grade: 93.2%

Assisi Vidyaniketan Public School, CBSE

2019 – 2021

Kochi, Kerala

Higher Secondary Education - Grade: 91.2%

Assisi Vidyaniketan Public School, CBSE

2017 – 2019

Kochi, Kerala

EXPERIENCE

R&D Lead at FOCES

College of Engineering Chengannur

2023 – Present

Alappuzha, Kerala

- Spearheaded a team to develop a website for learning American Sign Language
- Organised and mentored various inter-college and intra-college events

IEEE Student Web Volunteer

College of Engineering Chengannur

2022

Alappuzha, Kerala

- Developed and maintained the web page for the college event MVP 3.0 by IEEE

ACADEMIC PROJECTS

Website for NSS SB CEC | *Firebase*

2024

- Engineered a website for NSS SB CEC as 3rd year mini-project
- Integrated Firebase Auth, Storage and Firestore
- Implemented attendance tracking and volunteer management system

Payroll Management System | *Express, MySQL, Amazon AWS*

2023

- Created a prototype Tax Calculation Payroll Management System as microproject
- Built a REST API using Express to perform CRUD operations on MySQL
- Utilized Amazon RDS for MySQL

Airline Ticket Reservation | *MySQL, Python*

2021

- Built a CLI Airline Ticket Reservation System as school project

ADDITIONAL PROJECTS

Forcego | *Python, OpenCV, Tesseract OCR*

2022 – 2023

- Developed a desktop application to perform line-by-line TTS on documents and images for the visually impaired
- Added support for documents in various Indian regional languages
- Used OpenCV for OCR preprocessing to increase result accuracy

AlgoCanvas | *React, Typescript, Vite*

2024

- Designed and implemented a web application that lets users use and see the workings of basic Computer Graphics Algorithms

Asteroids | *Typescript, PixiJS, Vite*

2024

- A web-based game inspired by the classic 1979 arcade game Asteroids
- Responsive design with support for both keyboard and touchscreen devices

Coderun | *Bash*

2023

- CLI UNIX script for automating the development pipeline of basic programs and scripts
- Designed to be compatible with all CLI-based compilers and has support for multiple custom compiler configurations

TECHNICAL SKILLS

Languages: Python, C/C++, Bash, Javascript, Typescript, LaTeX, Java*

Frameworks & Libraries: NodeJS, React, Django, Flask, Express, Bootstrap, Tailwind, Vite, PyQt6, OpenCV, Numpy

Developer Tools: GNU Linux, Git, VS Code, Visual Studio, PyCharm, IntelliJ, Amazon AWS, Firebase