

Aravintakshan S A

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WORK EXPERIENCE

Full-Stack Developer Intern

Oct 2023 – Dec 2023

Milemotive Private Limited | Chennai, India

- Developed a query form website using Solidjs, Tailwindcss for frontend and Totaljs, MongoDB for backend.

ML/DL Researcher

April 2023 – present

Microsoft Innovations Club | Chennai, India

- Built a object detection model to detect and track laser's path using OpenCV.

Design Team

July 2022 – present

Android Club | Chennai, India

- Contributed to a few templates for social media(club) posts
- Worked on Canva/Figma/Premiere pro

PROJECTS

User Data Form

[View in GitHub](#)

- Users can submit queries, access and modify their past queries, and delete them as needed.
- Used Solidjs with tailwindcss for frontend and totaljs for backend

Student-Course Registration API

[View in GitHub](#)

- A backend service where the students select a course from a list of courses and register for it.
- Student should be able to check for available courses, register for a course, view his registrations.
- Used JWT and attached it to cookies for authentication
- Developed using Express.js and MongoDB

E-Commerce API

[View in GitHub](#)

- A fully functioning API which has every functionality of a website like amazon
- Customers can explore a wide product range and manage shopping carts all seamlessly.
- Sellers should be able to list, edit or delete products.
- Used JWT and attached it to cookies for authentication
- Developed using Express.js and MongoDB

Job-Search Website

[View in GitHub](#)

- A full stack application where the users should be able to find the listed job opening.
- Crafted a sleek and responsive frontend with React.js and Tailwind CSS for an engaging user experience.
- Engineered a scalable backend using Express.js and MongoDB, ensuring efficient data management and server-side operations.
- Created an engaging job dashboard that offers an interactive and user-friendly interface for job seekers to manage applications, track progress, and receive relevant job recommendations.

Laser Detection and Flow Tracking

[View in GitHub](#)

- Developed a model for laser detection and tracking model using YOLOV8 and optical flow.

SMS/MAIL Spam Detection

[View in GitHub](#)

- Built a NLP model for SMS/Mail spam detections using Count vectorizer, Port Stemmer for preprocessing text.
- Used Gaussian Naive Bayes model for classification as Naive bayes performs well in NLP based datasets.

EDUCATION

Bachelor of Technology (B. Tech.) in Computer Science

2021 – 2025

Vellore Institute of Technology, Chennai (India)

CGPA as of 5th semester – 9.15

Key courses completed: Data Structures and Algorithms, Design and Analysis of Algorithms, Computer Networks, Database Management, Software Engineering, Operating Systems and Compiler Design.

Higher Secondary Schooling

2019 – 2021

Maharishi Vidya Mandir, Chennai (India)

12th percentage– 95.8

Cleared JEE Advanced 2021

Secondary School

2019

Pon Vidyashram, Chennai (India)

10th percentage– 92.6

SKILLS

NodeJS | Python | C/C++ | Java | JavaScript | Html | CSS(Tailwind) | React | Solid | Express |

Backend Development | Git/GitHub | SQL, NoSQL | Scikit | Tensorflow | Python Libraries | Linux