

ARVIND KUMAR M

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Education

- Indian Institute of Technology Dharwad** Dharwad, Karnataka
Bachelor of Technology in Computer Science; CPI: 9.57/10.00 Nov. 2020 – Present

Relevant Coursework

- Data Structures
- Database Management
- Software Systems Lab
- Discrete Structures
- Algorithms Analysis
- Artificial Intelligence
- Data Analysis
- Automata Theory

Experience

- Botsync** May 2022 – July 2022
Robotics Software Engineer Intern Bangalore, Karnataka
 - Involved in developing a distributed multi-robot collision management system that effectively increased the number of robot routes, decreasing the total work time of robots.
 - Developed UI using React Js to mark zones in the map, visualize, and send them to robots.
 - Improved docking mechanism by implementing sanity checks using localization and vector-based methods, solving the problem of unwanted collision of robots in dock/charging stations.
- Parsec, IIT Dharwad** January 2022 – April 2022
Front End Developer Dharwad, Karnataka
 - Assisted in developing the front end of a web application for the annual tech-fest of IIT Dharwad built using React Js, CSS, and Javascript.
- Student Mentorship Program, IIT Dharwad** October 2021 – October 2022
Front End Developer Dharwad, Karnataka
 - Involved in developing a web application for the Student Mentorship Program of IIT Dharwad using HTML, CSS, and Javascript.

Projects

- Bus Tracking App** | *Flutter, SpringBoot, RestAPI, SQL, ReactJs* | [github](#) October 2022
 - Developed an android app for conductors to send their locations and for passengers to detect the location continuously
 - Developed a webpage in ReactJs for employees to add trip details and non-app users.
 - Integrated frontend and backend using RestAPI, SQL for database, and token-based authentication for employees.
- Clan WhatsApp Messenger** | *Pandas, Pyautogui, lackey* | [github](#) March 2022
 - Automated the process of sending similar WhatsApp messages to a group of people using web scraping.
 - Used CSV files and pandas for contacts, pyautogui for web scraping, and lackey for text box detection in WhatsApp.
- AAIG Portal** | *HTML, CSS, Javascript, PHP, SQL* | [github](#) November 2021
 - Designed an automated course and attendance management and id card generator for universities.
 - Implemented three roles: Admin, faculty, and student, and used session-based login in PHP.

Technical Skills

Languages: C++, Python, HTML/CSS, SQL
Technologies/Frameworks: React Js, Flutter, Linux, GitHub, ROS

Achievements

- First place for developing game playing bot in GuardAIns - AI tournament of Parsec, IIT Dharwad. | [github](#)
- Finalists of Smart India Hackathon 2022 for plagiarism detection in Ayush research papers. | [github](#)
- 11th place in Inter IIT Techmeet 10.0 for 10k, 10Q, and 8K sec filing analysis of SaaS companies. | [github](#)
- Cleared JEE Advanced, 99.56 percentile in JEE Mains, and Fourth rank in Tamil Nadu in SSLC.