



G Sabarinath

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Profile

Highly motivated and results-driven full-stack and application developer with over 4 years of experience in designing, developing, and delivering innovative software solutions. Possessing a strong technical skillset, including expertise in frontend and backend technologies. Currently pursuing a B-Tec degree in Artificial Intelligence, and eager to apply new knowledge to tackle challenging projects and drive positive outcomes. Committed to continuously learning and expanding technical abilities to meet changing industry demands. Seeking opportunities to leverage skills and experience to contribute to the success of a dynamic organization.

Education

Amrita Vishwa Vidyapeetham , Bachelor of Technology -Artificial Intelligence(AI) CGPA - 9.2/10	2020 – 2024 Kollam, India
Good Shepherd , Thengana , Higher Secondary	2018 – 2020 Kottayam, Kerala
Amrita Vidyalayam , Pandalam , High School	2006 – 2018 Pathanamthitta, India

Professional Experience

Project Manager , Intern at Asia's Largest private Hospital Gained valuable experience in project management as an intern at Amrita Hospital Faridabad, Delhi, where I provided technical, administrative, and logistical support for the construction of the hospital and the implementation of a 66KW substation. Worked under the direction of Mr. SMC Pillai, Director of NTPC and Advisor at BGR Energy Systems Limited, contributing to the successful deployment of the substation for the Amrita Hospital.	07/2022 – 08/2022 Delhi, India
Full-Stack Developer , Superbees pvt .Ltd Worked as a Full Stack Developer at Superbees Private Limited for 2 years, responsible for designing, coding, testing, and managing the company's e-commerce website. Ensured website's smooth functioning, security, and improvement of user experience. Made significant contribution to the company's success by providing a top-quality e-commerce website.	09/2021 – 02/2022 pandalam, India

Projects

- Automated Room**, Personal Project
A fully automated room using circuit breakers, Arduino, Raspberry Pi, and Google Home has been created by replacing the switch board with four Arduino Uno boards. The technology stack utilized includes Arduino, Raspberry Pi, and the Google API.
- ROS Enabled Trash Detection Robot**
A fully autonomous trash detecting robot by integrating concepts of Machine Learning, functionalities of Robotic Operating System, Raspberry Pie and various other software and hardware components. The robot is capable of detecting trash in an entire room and moves towards it and collects them.
- Brain Graph Analysis using GNN**
- Headed by Mr. Amitava Mukherjee, Professor, School of Computing, Amrita Vishwa Vidyapeetham, Amritapuri and Dr. Geetha M, Vice Chairperson , School of Computing, Amrita Vishwa Vidyapeetham, Amritapuri
 - On-going state of the art research in a relatively new field involving engineering and biotechnology.
 - Developing deep learning models that will aide neurosurgeons

- Working on expressing results and findings in the form of a research paper

A Complete Comparative Analysis of Various CPU Scheduling Algorithms

Conducted a comparative analysis of nine different scheduling algorithms, discussing their subsequent advantages and disadvantages. Also implemented a user friendly application which compares the various algorithms and predicts the best scheduling algorithm for a particular number of processes.

Intrusion Detection Using Machine Learning

In this research in order to identify network intrusion, we offer a novel detection model based on Non-Linear SVM. The results of multiple experiments on the KDD-CUP99 dataset show that on both binary and multiclass assaults, it outperforms KNN and K-Means Clustering. Precision, recall, F1-Score, and accuracy metrics were used to assess the model's efficiency

TCP/IP stack

Implemented a simulation of the 5-layer analogy to the OSI Networking Model using graph theory and extended network concepts such as IP addresses and interfaces. Demonstrated understanding of network layers including application, transport, and network layers and their functions.

Certificates

- Web Development
- Python
- Android and IOS
- Microsoft Azure
- Machine Learning

Skills

HTML (5/5)	Python (4/5)	CSS (5/5)	Java (3/5)	JavaScript (4/5)	Cpp (3/5)	Flutter (5/5)
Node (3.5/5)	DBMS (MySQL, MongoDB, MariaDb, PostgressSQL)					

Soft Skills

Adaptability	Time management	Interpersonal skills	Communication skills
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Hobbies

Chess

Rubik's cube

Problem Solving

Speed Typing

Language

English, Proficient in reading, writing, speaking and understanding

Malayalam, Proficient in reading, writing, speaking and understanding

Hindi, Proficient in reading, writing, speaking and understanding