

# Harikrishnan S

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## Profile Summary

Adaptable and eager to learn new technologies, with a strong focus on simplifying complex problems through efficient and practical solutions. Experience in handling diverse projects in various domains. Committed to continuous learning, with a passion for exploring innovative ways to enhance performance and usability across the domains of machine learning, web development, and software engineering.

## Education

<b>Amrita Vishwa Vidyapeetham, Amritapuri</b> <i>B.Tech in Computer Science and Engineering (AI)</i> <ul style="list-style-type: none"><li>CGPA: 8.21</li></ul>	2022 - 2026
<b>Kendriya Vidyalaya, Kanhangad, Kerala</b> <i>Class 12</i> Percentage: 93.2	2020 - 2021
<b>Amrita Vidyalayam, Kanhangad, Kerala</b> <i>Class 10</i> Percentage: 95.6	2018 - 2019

## Projects

<b>Context-Aware University Chatbot</b> <ul style="list-style-type: none"><li>Developed a context-aware system for students to query any University documents, using Streamlit for the user interface, AWS for document storage, Mistral on Snowflake for natural language processing and understanding, and Cortex Search on Snowflake for efficient and relevant document retrieval.</li></ul>	Jan 2025
<b>Education Consultancy Website</b> <ul style="list-style-type: none"><li>Developed front-end for a startup in ReactJS</li></ul>	Jul-Aug 2023
<b>Vehicle Recommendation System</b> <ul style="list-style-type: none"><li>Developed a Full Stack Vehicle Recommendation System, employing cosine similarity to provide personalized car suggestions based on user preferences and vehicle attributes.</li></ul>	Mar 2024
<b>Nectar Web App</b> <ul style="list-style-type: none"><li>Simple HTML, CSS, and Javascript website identifies flowers from uploaded images using a free API.</li></ul>	Jun 2024

## Achievements

<b>Third place: Code With Consequence Web Hackathon, Kollam</b> <ul style="list-style-type: none"><li>Created a Charity Platform front-end using HTML, CSS, and JavaScript.</li></ul>	2023
<b>Poster Presentation: ISEC 2024 Poster Presentation.</b> <ul style="list-style-type: none"><li>Presented "Exploring Path Search Strategies for Symbolic Execution", at Innovations in Software Engineering Conference, 2024, held at IIIT Bangalore.</li></ul>	2024
<b>Participated: Wikimedia Foundation Hackathon, Kochi.</b> <ul style="list-style-type: none"><li>Created sorting mechanism for the Wikimedia ToolWatch program.</li></ul>	2024
<b>Best in Art and Technology Award, NASA Space Apps Hackathon, Kollam</b> <ul style="list-style-type: none"><li>Created a portal for acquiring Landsat images and data, using React and Django.</li></ul>	2024

## Publications

<b>A Cost-Effective Autonomous Beach Cleaning Rover Using Deep Learning</b>	2023
Girish S, <i>Harikrishnan S</i> , Rahul H Nair, Midhun Sreerajan <a href="https://doi.org/10.1007/978-3-031-66410-6_11">10.1007/978-3-031-66410-6_11</a>	