

Karthikeya Moturi

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Github



PROFILE

Self-motivated and fast learning undergraduate with a proven record of academic and extracurricular success. Skilled in collaborating with various stakeholders, including faculty, administrators, and peers. Reliable with deadlines and dedicated to following instructions.

EDUCATION

Bachelors of Technology in Computer Science; GPA: 8.86/10.0, Amrita Vishwa Vidyapeetham	Jun 2020 – May 2024 Amritapuri, India
Higher Secondary; Marks: 95.2%, Sasi Educational Institute	2018 – 2020 Visakhapatnam, India
Secondary; Marks: 90%, Sri Chaitanya Techno	2016 – 2018 Visakhapatnam, India

INTERSHIPS

Amrita WNA, Developer/Designer/Tester <ul style="list-style-type: none">Involved in the research and development of an application for Self Help Groups as a part of the Amrita Wireless Association.Currently working on developing an Android application for around 16,000 self-help groups across the country to help develop their business.	Dec 2021 – present Kollam, India
ACM Student Chapter Amrita, Intern/Developer <ul style="list-style-type: none">Designed a ROS enabled Autonomous Robot using Raspberry Pi.Further improved the robot by integrating it with OpenCV and other ML Libraries.	Jul 2022 – Sep 2022 India
1Stop Ai, Research Intern <ul style="list-style-type: none">Performed analysis on the effectiveness of different CNN algorithms and worked on their runtime efficiency.Implemented an algorithm that mimics the autonomous capability of Self Driving Cars.	Nov 2021 – Jan 2022 India

PROJECTS

eRurban Mobile App <ul style="list-style-type: none">Developed the eRurban Mobile App as part of the Smart India Hackathon 2022.The app was built using Flutter for the frontend and Python as the backend server.	Jun 2022 – Aug 2022
ImFusion <ul style="list-style-type: none">Image Fusion based Desktop Application.Created an open source Image Fusion app which uses Discrete Wavelet Transform(DWT) for many image related operations.	Jan 2022 – Feb 2022
TicTacToe Jack <ul style="list-style-type: none">Implemented a TicTacToe game using Jack Language.This game uses the Minmax method to determine the computer's moves.	Mar 2021 – Jun 2021
Picture Compressor <ul style="list-style-type: none">Created a picture compressor that reduces the size of a picture by 80%. The image is refactored using singular values, and as a result, it requires less storage space.	Dec 2020 – Jan 2021

TECHNICAL SKILLS

OS Linux, Windows	Languages Python, Java, Dart, C, Matlab, JavaScript
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Technical Skills Computer Vision, PyGUI, ROS, TensorFlow, Web Development, Android Development, Database Management.	Soft Skills Problem-solving, Time Management, Project Management, Analytical Thinking, Multitasking.
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COURSES AND MOOC

IBM AI Engineering Professional Certificate , IBM 	2023
Google IT Automation with Python Professional Certificate , Google 	2022
Project Management Foundation , LinkedIn Learning 	2022
Web Design for Everybody: Basics of Web Development , University of Michigan 	2021
Machine Learning , Stanford University 	2021
TCS Ion Career Edge For Young Professionals , TCS	2020

COMMUNITY OUTREACH PROJECTS

Fire Safety Awareness Campaign , Student Social Responsibility Project • Conducted a Fire Safety Awareness Campaign as part of SSR-2022 for a group of 100 students at Stratford Public School , Kollam, Kerala. • Invited the Sub-Collector of Kerala as the Chief Guest for the event.	Oct 2022 – Dec 2022 Kerala, India
AmritaSree Volunteering Seva , Team Ayudh • Contributed towards the aid of AmritaSree Self-Help Groups organized by Mata Amritanandamayi Math. • Assisted in the distribution of AmritaSree Kits to over 800 women of Kerala villages.	Dec 2022 Amritapuri, Kerala
Beach Clean-Up Drive , Swachh Bharath Activity • Participated in the beach clean up drive as part of Swachh Bharath Activity . • Cleaned the beach premises of Azeekhal Beach, Kerala .	2022 Kerala, India

ADDITIONAL, EXPERIENCE & ACHIEVEMENTS

- Won **1st prize** in Rural Development Category in **SMART INDIA HACKATHON-2022** organized by the Education Ministry of Indian Government in Kolhapur, India.
- Paper entitled "**Multi-Lingual Hybrid Chatbot for Empowering Rural Women SHGs in India**" was selected to be presented at the 2nd International Conference for Advancement in Technology (**ICONAT**) **2023**.
- Paper entitled "**Chatbot Enabled Smart Tourism Service for Indian Cities**" got selected to be presented at the 11th International Conference on Internet of Everything(**IEMECON**) **2023**.
- Got Certified at the **Goldman Sachs Engineering Virtual Program - 2022**.

LANGUAGES

English	<div></div>	Telugu	<div></div>
Hindi	<div></div>		

HOBBIES

Volunteering and community involvement | Reading and Writing | Portrait Sketching | Book collecting
Listening to Music and Podcasts