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SWATHIKA K B



EDUCATION

K.RAMAKRISHNAN COLLEGE OF ENGINEERING

2021–2025 (Bachelor of Engineering)

Electronics and Communication
CGPA – 8.18

JOHN DEWEY MATRIC HR. SEC SCHOOL

May 2021 (HSC) – 80.56%

JOHN DEWEY MATRIC HR. SEC SCHOOL

May 2019 (SSLC) – 72.2%

SKILLS

- HTML
- CSS
- C Programming (Basics)
- Machine Learning
- Time Management
- Problem Solving

AREA OF INTEREST

- Web Development
- Generative AI

PORTFOLIO

<https://swathikakb.github.io/MyPortfolio/>

CERTIFICATIONS

- EDII Hackathon 2023–2024
- Completed IBM courses in AI, Journey to Cloud, Data Science, and Build Your First Chatbot.
- Completed the Fundamentals of HTML and CSS Programming
- Data Structure – C Programming – Python 3.x course in Skill Rack
- Completed badges from Hacker rank on C programming and Problem Solvings
- Completed a course in Generative AI

ACHIEVEMENTS

- Achieved certification in Chess Competition
- Won a prize in Science Talent Examination
- Secured 2nd prize in Nanotechnology Paper Presentation

PROFILE

As a dedicated aspirant pursuing a Bachelor's degree, I am eager to leverage my academic foundation and hardworking mindset to contribute meaningfully to a progressive organization. I am committed to develop practical skills, innovative projects and grow professionally within a dynamic team environment.

PROJECT

• MEDICAL DRONE IN EDII HACKATHON

DESCRIPTION: The medical drone project uses UAVs to deliver critical medical supplies like vaccines and medications to remote areas, utilizing tools such as **real-time GPS navigation** and **monitoring systems** to track incidents and transmit data to nearby hospitals. It ensures fast, reliable, and cost-effective healthcare delivery while maintaining the quality of medical supplies.

• SPEECH TO SIGN LANGUAGE USING AVATARS

DESCRIPTION: An AI-enabled system that converts speech to sign language and vice versa using animated avatars, bridging communication gaps for deaf and mute individuals and enhancing accessibility and inclusivity. The system was developed using tools such as **Natural Language Processing (NLP)**, **HTML**, **CSS**, **JavaScript**, and **Blender** for avatar design and animation.

WORKSHOPS

- Attended the ML/AI workshop in SSN College
- Attended the Robotics with Arduino in NIT College
- Attended on fundamentals of Website Design and Digital Marketing Course in Webspiren.

PRESENTATIONS

- Presented an idea on Medical Drone
- Presented an idea on Drowsy Driver Monitoring
- Presented an idea on Nanotechnology

INTERNSHIP

NLC INDIA LIMITED (AUG 2023)

TELECOMMUNICATION NETWORKING SYSTEMS

During my internship at NLC Limited, I gained and assisted in the installation, maintenance, and troubleshooting of networking infrastructure critical to the operations of the organization.

PACIFIC CREATION (OCT 2022 – JAN 2023)

WEB DEVELOPMENT

Completed an internship in the fields of web development and content writing, where I learnt basics of HTML and CSS and gained insight into the needs of the target audience.

LANGUAGES KNOWN

- English
- Tamil
- Kannadam