

KOWSHIKA MURUGAN

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<https://github.com/Kowshikamurugan>



EDUCATION

KNOWLEDGE INSTITUTE OF TECHNOLOGY	SALEM
Bachelor of Engineering in Electronics and Communication Engineering	2020 - 2024
<ul style="list-style-type: none">CGPA: 8.40	
VANI VIDYALAYA MATRIC HIGHER SECONDARY SCHOOL, UPPUPALAYAM	NAMAKKAL
12 th GRADE – HSC	2019 - 2020
<ul style="list-style-type: none">Percentage: 63.50%	
VANI VIDYALAYA MATRIC HIGHER SECONDARY SCHOOL, UPPUPALAYAM	NAMAKKAL
10 th GRADE – SSLC	2017 - 2018
<ul style="list-style-type: none">Percentage: 92.20%	

INTERNSHIPS

<ul style="list-style-type: none">Company Name: Zepto	OCTOBER 2024
Exposure: Delivery Hub - Assistant (Trainee)	
Duration: 1 Month	
<ul style="list-style-type: none">Company Name: JRR Safelogic Technologies and Services Pvt Ltd, Bengaluru	APRIL 2024
Exposure: RAMS Engineer Intern	
Duration: 2 Months	
<ul style="list-style-type: none">Company Name: Pantech eLearning Pvt Ltd	JULY 2023
Exposure: Artificial Intelligence Intern	
Duration: 2 Weeks	

TECHNICAL SKILLS

- DOMAINS:** Cloud & DevOps with AWS Specialization, Artificial Intelligence, UX Design, RAMS Engineering, Communication Networks
- PROGRAMMING LANGUAGES:** Python, C, Java (Beginner)
- TOOLS & SOFTWARE:** AWS Services, DevOps Tools, Figma, Canva, MS Office (Word, Excel, PowerPoint)

PROJECTS

END-TO-END DEVOPS PIPELINE	FEB 2025
<ul style="list-style-type: none">Built a 4-stage DevOps pipeline with GitHub, Jenkins, SonarQube, and Docker, automating CI/CD, code quality checks, and containerization for faster, reliable deployments.	
AUTONOMOUS TOILET CLEANING ROBOT	MARCH 2024
<ul style="list-style-type: none">Developed an IoT-based system for automatic restroom cleaning in schools, addressing manpower shortages and ensuring cleanliness.	
DROWSINESS DETECTION AND ALERTING SYSTEM	JULY 2023
<ul style="list-style-type: none">It detects driver drowsiness using webcam and Machine Learning and aims to reduce road accidents caused by fatigue or distraction.	
WEATHER PREDICTION SYSTEM	JULY 2023
<ul style="list-style-type: none">Created a Python-based tool to forecast climate changes using historical data for improved environmental awareness.	

LANDMINE DETECTOR

MARCH 2023

- Designed a device to detect landmines in terrestrial areas, enhancing safety for soldiers during operations.

LEADERSHIP AND ACTIVITIES

2020-2024

ROTARACT CLUB

- **Secretary**, Rotaract Club of Knowledge Institute of Technology (2022 - 2023)
- **Women Empowerment Chair**, District Rotaract Council, RID 2982 (2023 - 2024)
- **Social Media Team Head**, District Rotaract Organization, RID 2982 (2024 - 2025)

NATIONAL SERVICE SCHEME (NSS)

- Active member contributing to community service initiatives (2020-2024)

INTEC ASSOCIATION

- Served as an Executive Member.

ARTIFICIAL INTELLIGENCE (AI) CLUB

- Active participant in AI-focused events and discussions.

INTERNSHALA STUDENT PROGRAM (ISP)

- Campus Ambassador (2021 - 2022)

INTERNAL COMPLAINT COMMITTEE (ICC)

- Active Member (2023 - 2024)

IEEE MEMBERSHIPS

- IEEE KIOT - Active Member.
- IEEE YESISTS 2024 - Publicity Ambassador.
- IEEE Computer Society Bangladesh Chapter (ICRCS - 2023) - Ambassador
- IEEE PES Day 2023 - Women in Engineering Ambassador.
- IEEE Young Professionals Power & Energy Society (MCDPAC'22) - Ambassador.

CERTIFICATIONS AND RECOGNITIONS

2020-2024

- **Best Student Award** (Co-curricular Activities, Knowledge Institute of Technology, 2020 - 2024).
- **Achievers Award** for IEEE participation (Knowledge Institute of Technology).
- **Best Student Award** (Extra-curricular Activities, Knowledge Institute of Technology, 2022 - 2023).
- **3rd Prize** in 'Make a Product Expo' for Landmine Detector (Knowledge Institute of Technology).
- **1st Prize** in 'Paper Presentation' on Nano Sensors (Sona College of Technology, Salem).
- **1st Prize** in 'Code Kaze' Contest (Coding Ninjas).
- Completed '**AMCAT** Assessment Test'.
- Presented research on '**Pill Camera**' at NGP Institute of Technology, Coimbatore.
- Presented research on '**Clinomic Mona**' at Bannari Amman Institute of Technology, Sathyamangalam.
- Completed the '**Machine Learning**' course offered by Infosys Springboard.
- Completed the '**TCS iON Career Edge - IT for Non-IT**' certification course offered by TCS.
- Participated in **National Conference** on 'Multidisciplinary Research and Innovations in Engineering and Technology (MRIET-2024)' with Autonomous Toilet Cleaning Robot.
- Completed the '**Cloud & DevOps with AWS Specialization**' course from S4Carlisle in collaboration with TN Skills, acquiring practical experience in AWS cloud technologies and DevOps methodologies.

SOFT SKILLS

- Strong Communication
- Leadership and Teamwork
- Problem Solving and Adaptability