

SUMMARY

Motivated Electrical and Computer Engineering student with a strong foundation in computer science, software development, and modern technologies. Proficient in object-oriented programming, data structures, algorithms, and web development. Passionate about building innovative, user-centric solutions and thriving in collaborative, fast-paced environments. Seeking to apply technical expertise and problem-solving skills to contribute meaningfully to impactful projects and drive continuous growth.

EDUCATION AND CERTIFICATIONS

Amrita Vishwa Vidyapeetham, Coimbatore
(BTech, Electrical and Computer Engineering)
CGPA: 8.20/10

(2022-2026)

Sri Vignesh Vidyalaya, Trichy
(High School)
Percentage: 86.4%

(2020-2022)

Certifications:

MongoDB Atlas for Modern Web Development, NIT, Trichy
DATA ANALYSIS USING POWER BI, NIT, Trichy
AI and Machine Learning Workshop with MATLAB,Amrita University, Bangalore
IOT & 3D-Modelling, Indian Institute of Technology, Madras

(Feb 2024)
(Feb 2024)
(Nov 2023)
(Feb 2023)

TECHNICAL SKILLSET

Programming/Scripting Languages:Java,HTML, CSS, JavaScript,React
Software/Tools: MATLAB, LTSpice, AutoCAD,VisualStudioCode
Core Concepts: Data Structures and Algorithms, Object-Oriented Programming, Operating Systems
Web Development: Node.js, Express.js, EJS

ACADEMIC PROJECTS

Blog Application
Key Concepts: *Node.js, Express.js, and EJS*

- developed the application to offer users a seamless experience in both creating and viewing blog posts. Through a user-friendly interface, individuals can effortlessly compose and publish their thoughts, ideas, and experiences in the form of engaging blog posts.

RFID-Based Banking System using LPC2148
Key Concepts: *LPC2148, C Programming*

- Developed an embedded banking system using the LPC2148 microcontroller with RFID technology for secure authentication and transaction processing, enabling contactless account access and enhancing security in banking applications.

Emotion Detection using Hopfield Networks
Key Concepts: *Soft Computing, Hopfield Networks, Python, Image Processing*

- Utilized Hopfield networks to build an adaptive emotion recognition system that processes and classifies facial images into distinct emotions (e.g., happy, angry) by learning binary patterns; developed using Python with image processing and user-confirmed learning updates for improved accuracy.

Predictive Modelling for Electric Vehicles Performance
Key Concepts: *Python,Linear Regression,Random Forest,XGBoost*

- Developed a machine learning model using linear regression to predict the efficiency of electric vehicles. The model analyzes key input parameters such as Acceleration, Range, PowerTrain, Top Speed, and Fast Charging capabilities to provide accurate efficiency predictions.

LEADERSHIP EXPERIENCE & Extracurricular Activities

LEADERSHIP EXPERIENCE

- Videographer, Team Media, Amrita Vishwa Vidyapeetham
- Co-Head Eventide, Anokha, Amrita Vishwa Vidyapeetham
- Content Creator, Elite Club, Amrita Vishwa Vidyapeetham

(October 2023– May 2026)

(March 2024 – Nov 2024)

(October 2023 – May 2024)

Extracurricular Activities and Hobbies

- Cultural Coordinator
- Basketball Player
- Photography