

Visruth K

Excel Enginnering College
NH 544, Salem - Kochi Hwy,
Pallakkapalayam, Komarapalayam,
Tamil Nadu 637303

visruthkelambeth@outlook.com
+91 8590612785
Linkedin ID: visruthkelambeth123

Education

Excel Engineering College (Autonomous), VI semester:

Bachelor of Engineering: Electronics and Communication CGPA: 7.67 Namakkal, TN
Relevant Coursework: Machine Learning, Deep Learning, Embedded Systems, June 2026
Control Systems, IOT, Next-Gen Networks, DSP, Digital Electronics, Java
Mini Project: Sensor Fusion for SLAM Mapping using ROS2 ecosystem

Chinmaya Vidyalaya (CBSE)

Branch: Computer Science ; Relevant Coursework: MySQL, Python Kannur, KL
June 2022

Engineering Research Experience

Bharat Sanchar Nigam Limited

Internship Kannur, KL
Dec 2024 -
Jan 2025

- Studied real world 2G/3G, 4G, 5G and OFC deployment infrastructure
- Assisted in the maintenance of Base Stations and Project : undertook splicing to repair broken OFC lines, visited 8 maintenance sites.

Keltron Component Complex Limited

Internship Kannur, KL
Jan 2024

- Studied bottom up manufacturing process of various types of Capacitors, resistors, motor start and MPP products.
- Studied the financial, power, R&D and raw materials management required to establish efficient Production Chains.

Accomplishments

- Won 1st in a Hackathon hosted by K.Ramakrishna COE and won 20K, Trichy March 2024
- Won 1st in an EXPO hosted by Knowledge Institute, Salem Feb 2024
- Won 1st in an EXPO hosted by PA College, Coimbatore June 2023
- Completed Mechatronics NPTEL course and got certified Apr 2025

Leadership and Activities

IETE Students Chapter, Secretary

Aug 2024 – present

- Organize events and activities for the engineering community at Excel.
- Hosted a project EXPO with other events along with other members

Projects and Skills

Projects: Dead Reckoning: designed electrical and robotics system using ROS ecosystem
Local LLM: Developed an LLM using ollama3 for giving suggestions when coding

Hardware: Hot-Air Soldering, Splicing, Signal Tracing, Logic Probing, Battery wiring

Software: Python (intermediate), java (basic), sql (intermediate), Bash (advanced),
ROS2 and its ecosystem e.g. Rviz, Nav2, Gazebo etc, MATLAB (intermediate)
Tensorflow, CUDA etc, All IDE's, Git, Docker, Protocols like VNC, SSH, etc, Linux

Languages: Native: Malayalam; Bilingual: English, Hindi; Professional: Tamil, Japanese