

Revanth Vakada

Electronics & Telecommunications Engineer | RF | Embedded Systems | Networking

+370 62354934
vakadarevanth0205@gmail.com
LinkedIn
Vilnius, Lithuania
Indian
18/07/2002

SUMMARY

I am a results-driven engineering postgraduate with a Master's degree in Electronics and Telecommunications Technologies from Vilnius University and a Bachelor's degree in Electronics and Communication Engineering. I am passionate about solving real-world problems using technology, with interests in embedded systems, telecommunications, RF engineering, data analytics, and cybersecurity. I also have a strong foundation in computer networking, including routing and switching, LAN/WAN concepts, and Python for data science. Through my academic and project experience, I have developed strong analytical, problem-solving, and research skills, along with practical exposure to databases and software tools, enabling me to apply engineering and IT knowledge effectively in real-world environments.

EDUCATION

Electronics and Telecommunication Technologies 09/2024 - 06/2026
Vilnius University - Master's

Final grade: 7.17 CGPA

Electronics and Communication Engineering 08/2020 - 04/2024
Parul University [NAAC A++] - Bachelor's of Technology

Final grade: 7.83 CGPA

CERTIFICATES

CCNA Network Fundamentals 11/2025

I have completed the CCNA 200-301: Network Fundamentals course, which strengthened my understanding of routing and switching, IP addressing, subnetting, and basic network troubleshooting using Cisco tools. Through hands-on practice with Cisco Packet Tracer, I gained practical experience in network configuration and simulation. I look forward to applying these skills in real-world networking environments and continuing to grow in network engineering.

SKILLS

RF Design for Applications, Sensors

PLC Software, embedded C

CCNA: Networking Fundamentals Cisco Packet Tracer, Python for Data Science Applications

MATLAB Software, PCB

Data Analysis (Python), Cyber security Fundamentals

Problem solving, Team Collaboration, Research & Development

Databases: Managing Database administration Communication skills

LANGUAGES

English Fluent

Lithuanian Basic

PROJECTS

Researcher 02/2025 - 06/2026

Low Frequency Noise Characteristics of Composites with Carbon Nanoparticles

At Vilnius University, Performed Master’s thesis research on Low-frequency noise Characteristics of composites with Carbon Nanoparticles. Analyzed electrical transport behavior under varying voltage and temperature usingArrhenius, hopping, and tunneling models. Evaluated 1/f noise characteristics and demonstrated improved conductivity and reduced noise with CNT-based hybrid structures.

Team Leader (superisor) 01/2024 - 04/2024

Green Groom- Automatic Solar Grass Cutter

In Bachelor's, worked as a team member in a group project to design and develop a solar-powered automatic grass cutter using microcontroller-based control and sensor-driven automation, integrating solar energy harvesting with battery-backed operation. Contributed to the system implementation and integration of key functional modules. The project was awarded 2nd Prize at Tech Expo 2024 for its innovation and practical implementation.

INTERNSHIPS

VLSI design and Verification 04/2023 - 05/2023

Maven Silicon ↗

Designed and verified an AMBA AHB-to-APB Bridge in Verilog, integrating a pipelined AHB slave interface and an FSM-based APB controller to enable efficient communication between AHB masters and APB peripherals. Implemented address decoding, data buffering, and control signal generation for single read/write transfers with proper wait-state handling. Developed a testbench with AHB master tasks and performed RTL simulation to validate protocol-compliant data transfer and correct functionality of the bridge.