

Vineeth H Kumar

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Professional Summary:

Electronics and Communication Engineering graduate with hands-on experience in VLSI, embedded systems, and IoT. Skilled in circuit design, simulation, and microcontroller programming. Interested in applying my knowledge to semiconductor equipment development and contributing to Lam Research's cutting-edge innovations.

Education:

Nitte Mahalinga Adyanthaya Memorial Institute of Technology, Nitte. <i>B.Tech</i>	2026
Madeliene PU College <i>P.U.E</i>	2022
Bethany English Medium High School, Mulki <i>SSLC</i>	2020

Technical Skills:

Embedded Systems

8051, ESP32, CC3200, Arduino Uno, Arduino Nano, ESP8266

Programming

C, Python, Bash, Perl, Tcl, Tk, C++

Tools

Arduino IDE, Cadence, KiCad, SPICE, SEMulator 3D, Simulink, Things Board, SolidEdge Cad Tool, Autodesk Fusion, Proteus

Technical Workshops & Internships

Electronics Product Development Intern At Experimind Labs Worked on Developing Electronics Product and Developing Anbuhav kit For Stem Lab	06/2025 – 07/2025
Workshop on Mastering High Frequency	NITK Surathkal
Seven Days Online Workshop on VLSI	NIELIT, Calicut
Intern At MESCOM Jointly worked in Maintaining and Daily Monitoring in Electrical Substation	MESCOM
Two Weeks Internship on 2D Mapping Using Arduino Uno Developed a functional 2D mapping system	

Projects

Smart Agri-Bot for Automation & Monitoring

Designed and developed an IoT-powered agricultural bot using ESP32, capable of precision seeding, real-time soil monitoring, and automated irrigation.

Fall Detection & Monitoring System

Engineered a real-time fall detection system using motion sensors, accelerometers, and IoT integration to detect and alert caregivers in case of a fall..

FPGA Based 32 bit Counter

Designed A 32 Bit Counter With Count values displayed in Seven segment Display

Three Way Universal Switch

Developed A Three Way Universal switch Controlled through An Mobile APP

Certifications:

Embedded Systems Development with STM3200

UDEMY

CMOS Digital VLSI Design

NPTEL

IOT for Engineers

by Infosys Spring board

Soft Skills:

- Problem-Solving
- Team Collaboration
- Time Management

Languages:

English

Kannada

Hindi

Tulu