**Deekshitha N** 

**8th Semester | B.Tech | Electronics and Communication**

**PES University, Bengaluru**  
#378,4th block, Nandini Layout, Bengaluru, Karnataka - 560096  
6366632226 | dishu.n99@gmail.com

Personal Summary  
A Hard-working, goal-oriented and exploring individual seeking a challenging position in progressive company, where I can aptly utilize my technical knowledge and management abilities to effectively commit myself to the development of the organization. Keen to learn, acquire and apply new ideas to achieve excellence.

Academic Qualifications

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **#** | **Course** | **Institution** | **Board/University** | **Year of Passing** | **Score** |
| 1 | B. Tech [E&C] | PES University, Bengaluru | PES University, Bengaluru | 2021 | 7.44 |
| 2 | Diploma[E&C] | Government Women Polytechnic, Bangalore | Department of Technical Education, Bengaluru | 2018 | 84.88% |
| 3 | SSLC [10th Grade] | Nandini Public School, Bengaluru | Karnataka State Secondary Education Board | 2014 | 85.28% |

### Technical Proficiencies

### **Simulation software and Tools**: Keil UVision, MATLAB, Mentor Graphics, LtSpice, LabView, KiCad, EAGLE(PCB Design), Xilinx vivado

* **Software programming languages**: Programming in C, C++, Embedded C, Verilog
* **Subjects**: Computer networks, Network security, Analog and Digital communication, wireless communication, VLSI Design and testing of VLSI Circuits.
* Have taken UNIX as special topic under university.
* PCB design, simulation and testing.
* Raspberry Pi, Arduino, and sensors.

Projects

* Sun Tracking Solar Panel-

In this project, a solar tracking hardware implementation was proposed which tracks the sun’s movement throughout the day. This solar panel design was based on 8051 micro-controller and built using dc motor and light sensors aligned in a simple circuit.

* Traffic light controller-

This project makes use of LED lights for indication purpose and a micro-controller for auto changing of signal at specified range of time interval.

* Currently working on AI based Autonomous Spying Robot-

Developing an intelligent spider robot incorporated with sensors, this six-legged robot will be capable of moving on different terrains, surface with obstacles, rough surfaces. Also does object detection which helps in tracing and locating of different objects.

Soft Skills

* Quick learner, Willingness to Learn, Positive Attitude & work under any circumstances with strict deadlines.
* Have excellent interpersonal skills and have been a solid team player, and possess proficient verbal and written communications skills.
* Comprehensive Problem solving skills, Willingness to learn new skills with enthusiasm.
* Languages: English, Kannada

Extra-Curriculars

* 4th place at Regional Business Plan Competition, Part of I Create’s Change The Mindset Program.
* Jury Appreciation Award at 12th National Business Plan Competition, Part of CMS Program.
* Training programme on Linear ICs and Its Application conducted at APEX HI-TECH INSTITUTE.
* Indoor sports(carrom and chess) Organizer at GWPT for the academic year 2016-2017.
* Volunteered for Prakalpa 2019 – annual science exhibition of PES University.