NANDAN PRABHU

+91 9972407142◇ Kalladka, Karnataka
nandanprabhu2907@gmail.com ◇ linkedin.com/in/nandan-prabhu-a97099192

OBJECTIVE

Strong in design and integration with intuitive problem-solving skills. Passionate about implementing and launching new projects. Ability to translate business requirements into technical solutions. Looking to start the career as an entry-level engineer with a reputed firm driven by technology.

EDUCATION

Bachelor of Engineering
Sahyadri College of Engineering and Management — 2019- 2023
Electronics and Communication Engineering — CGPA-7.5

SKILLS

Technical Skills	Python, C, Java, IOT, Embedded systems
Soft Skills	Communication, Interpersonal, Leadership, Problem solving, Teamwork
Language Known	English, Kannada, Konkani, Hindi, Tulu

EXPERIENCE

Vitvara Technologies — Sept 2021 - Oct 2021
Intern — *Mangalore, Karnataka*

A four week internship on Embedded System. It included a development of a project from scratch using arduion nodeMCU and several other sensors.

RDL Technologies Pvt Ltd — Mar 2022 - Apr 2022
Intern — *Mangalore, Karnataka*

A four week internship on Hardware Assembly. Here I worked on real time project of the industry and also explored the various technologies used by that industry.

Leksa Lighting Industries — Mar 2023 - May 2023
Intern — *Mangalore, Karnataka*

A six week internship on designing and manufacturing of lighting equipments. Worked closely with development team on various chipset and integdration of disco lights.

PROJECTS

AI-MARS(Mobile Autonomus Robotic System)
The goal of this project is to provide a rescue robot which is capable of saving the lives of victims in the disaster environment. During disasters, the main purpose of rescue Operation is to rescue the large number of people in the shortest time, while minimizing the risk to rescuers.

Mask detection using AI
Develop a novel object detection method that combines one-stage and two-stage detectors for accurately detecting the object in real-time from video streams with transfer learning at the back end. It improved affine transformation is developed to crop the facial areas from uncontrolled real-time images having differences in face size and background. This step helps in better localizing the person who is violating the facemask norms in public areas or offices.

Brain controlled robotic arm
A brain-controlled robotic arm utilizes neurotechnology to interpret neural signals from the user's brain, enabling them to control the movement and actions of the robotic arm through their thoughts alone. This technology has the potential to revolutionize prosthetics and assist individuals with limited mobility in performing everyday tasks.

EXTRA-CURRICULAR ACTIVITIES

- Member of organizing team of TEDx SCEM-2019.
- Participated in Sahyadri 10K run.
- Participated in university pole vault tournament.

TRAINING CERTIFICATIONS

- Building Arduino Robot and Devices by Coursera
- VLSI SoC design using verilog HDL by Maven Silicon
- Python Fundamentals for Beginners

ACHIEVEMENTS

- Secured 4th place in VTU Athletic meet-2019
- Secured 2th place in VTU Athletic meet-2012
- Secured funding from KCST for final year project