Prasheel Nandwana

Bengaluru, Karnataka
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EDUCATION

PES UNIVERSITY
BE in Electronics and Communication Engineering
July 2020 | Bangalore, Karnataka

DAV PUBLIC SCHOOL
Higher Senior Secondary
May 2016 | Kota, Rajasthan

LINKS

Github:// **itsPrasheel**
LinkedIn:// **its-prasheel**
YouTube:// **Prasheel Nandwana**
Twitter:// **@its_Prasheel**
Quora:// **Prasheel-Nandwana**

COURSEWORK

Data Structures and Algorithms
Database Management System
Operating Systems
Web development
Machine Learning
Unix Tools
Micro-Controllers and 8086

SKILLS

FRONT-END TECHNOLOGIES
• **HTML**- HTML5
• **CSS**- FlexBox, Grid
• **Script**- JavaScript, ReactJS
• **Add-Ons**- NPM, WebPack, GIT

PROGRAMMING
Over 5000 lines:
Java • C++ • Matlab • LaTeX
Over 1000 lines:
C • Verilog • Assembly
Familiar:
Python • Android • MySQL

VOLUNTEERING

2017-**Kludge** | Food and Admin Team
2017-**IEEE-ICACCI** | Logistics and transport team
2019 **Maaya** | Make it EC Organiser

EXPERIENCE

UPSKOPE | Project Intern
Jan 2020 – Feb 2020 | Bengaluru,Karnataka
- Worked on various web technologies like NodeJS, React, graphql and learned and understood the flow of a website.
- Implemented the Sentiment analysis web-app to judge the feedback based on the words used.

PROJECTS

PATH DETECTING ROBOT | Kludge 2K18
Feb 2017 – March 2018 | Bengaluru, Karnataka
Designed and Implemented a working model of Path detecting robot that takes top view images of the area and guides the robot to a given destination in real-time using **A-star** Algorithm that helped us to **reduce the time taken to determine the shortest path** compared to other computation methods.

WIRELESS LANDMINE DETECTOR | Kludge 2K19
March 2020 | Bengaluru, Karnataka
Designed and Implemented a wireless mine detector with video streaming and GPS tracker on **Raspberry PI using Python** that helped us to make an Unmanned Ground Vehicle with a range of **100 meters** without wifi booster and **600 meters** with wifi booster

LOW POWER 6T-SRAM USING FINFET FOR AI CHIPS | Final Year Project
Oct 2019 – Ongoing | Bengaluru, Karnataka
Designed a low power 6t SRAM using 18nm FIN-FET technology which gives much better than the current designs.

JAVASCRIPT IMPLEMENTATION OF PIG GAME
June 2020 | Kota, Rajasthan
Designed and implemented a very popular game in called PIG GAME in javascript and deployed the game on netlify on **this** link.

AWARDS

2017	1st/120	SAE Chennai (South region)
2017	1st/50	SAE Bangalore division
2019	top 10/120	Kludge 2K19

PUBLICATIONS

[1] **Origami in Aeronautics** by Prasheel Nandwana, Yash Murthy and Shreyank P. Jois