Siddhesh Dashrath Deshmukh

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CAREER OBJECTIVE

I'm looking for a job where I can grow both professionally and personally. I am looking for challenging opportunities where I can put my talents to good use and contribute to the organization's success.

EDUCATIONAL QUALIFICATIONS

Examination	University/Board	Institute/College	Year of Passing	YPI / CGPI / %Marks
Masters in Technology (MTech-EXTC)	Mumbai	K.J. Somaiya college of engineering, Vidyavihar	2022	8.64 CGPI
Bachelors in Engineering (BE- EXTC)	Mumbai	Pillai's HOC College of Engineering and Technology, Khalapur	2019	6.86 CGPI
HSC	State Board	J.H.Ambani Vidhyamandir, Nagothane	2015	63.38 %
SSC	State Board	J.H.Ambani Vidhyamandir, Nagothane	2013	80.36 %

PROFESSIONAL COURCES

Extra Courses/Certification Done			
Organization	Name of course/Certification	Year	Another details / PI etc.
IIHT KHARGHAR	AWS Solution Architect	2023	Completed
AWS	AWS Certified Cloud Practitioner	2023	Validation Number: BXTN1ZQKX MVQ1BCH
DATABRICKS	Get started with Engineering with Databricks	2023	Completed
DATABRICKS	Fundamentals of Databricks Lakehouse Platform Accrediatation (V2)	2023	Completed
CISCO	CCNAv7: Enterprise Networking, Security, and Automation	2021	Completed
CISCO	CCNAv7: Switching, Routing, and Wireless Essentials	2021	Completed
COURSERA	Network Security & Database Vulnerabilities	2020	online non-credit course authorized by IBM

COURSERA	Introduction to Cybersecurity Tools & Cyber Attacks	2020	online non-credit course authorized by IBM
COURSERA	Cybersecurity Roles, Processes & Operating System Security	2020	online non-credit course authorized by IBM
COURSERA	Cybersecurity Compliance Framework & System Administration	2020	online non-credit course authorized by IBM
CISCO	CCNAv7: Introduction to Networks	2020	Completed
IIHT, Kharghar	Certificate Course in CISCO Certified Network Associate	2018	'A' Grade

INTERNSHIP

Name of the Organization: K J Somaiya College of Engineering (Inhouse Internship)

Project Title: Implementation of Layer 2 protocols on Software.

Work Done: Studied different concepts about various layer 2 attacks, GNS-3 and Kali Linux. Completed literature survey on layer 2 attacks. Implemented the layer 2 attacks using GNS-3 as a test bed and kali linux as an attacker.

Working period: 5 Months (4th Aug 2020 to 21st Jan 2021)

PROJECTS

2020-2021	**Project Title:** Implementing Firewall using Software Defined Networking (SDN) (MTech. Final Year Project) **Project Objective:** "Creating cost efficient and reliable Firewall for small networks using Software Defined Networking". **Project Brief:** In large network routing and firewall functions are performed by different devices but in small network it is not possible. Network administrator cannot modify capabilities of traditional vendor specific firewalls. But by using capabilities of software defined networking (SDN) it is possible to modify the firewalls according to our needs. SDN based firewall is implemented by using POX controller. This Controller is designed to increase the agility of the network by making it easy to manage and adapt how traffic is handled.
2018-2019	**Project Title:** Wake-Up Band for Safety (B.E Final Year Project) **Project Objective: "**To prevent devastating accidents, it is necessary to build a reliable driver drowsiness/tiredness detection system, which could alert the driver before a calamity, happens." **Project Brief:** Monitoring of Bio-vitals has always been a challenging task to the research community. There are many parameters, which always require constant monitoring like Blood pressure, Heartrate or pulse, ECG, Body temperature, etc. The blood pressure is a very critical bio- vital as it is directly related to heart. Hence, in-turn measurement of heart rate is highly essential. The main cause of accidents is that happened at night because people get tired after working the whole day and there are chances that the driver may fell a bit drowsy or fall asleep while driving. The main task is to collect a driver's physiological data by the bio-sensor and analyze the measured data to find the key parameters related to the drowsiness. Design a drowsiness detection algorithm and develop a mobile app to alert tired drivers. The results from this project can lead to the development of real products, which can save many lives and avoid many accidents on the road.

2017-2018	**Project Title:** Sun tracking solar panel using Arduino **Project Objective: "**Consume the maximum solar energy through solar panel" **Project Brief:** Solar Tracker is a device onto which solar panels are built-in which tracks the motion of the sun ensuring that maximum amount of sunlight strikes the panels all over the day. Power output from a solar cell will be maximum when it is facing the. Solar tracking allows more energy to be produced because the solar array can remain aligned to the sun. In software part, the code is constructed in C programming and inserted in Arduino. This project is designed for low power and portable application. Therefore, it's suitable for rural area usage. Moreover, the effectiveness of output power which is collected by sunlight are increased.
2017-2018	**Project Title:** Fan Speed Control by clapping **Project Objective:** "Develop a reliable and accurate yet cost efficient system" **Project Brief:** A circuited switch, which operates with sound of clapping hands or something similar; i.e. the switch comes to 'on' position when clapped once or twice, and to 'off' position when again clapped once or twice (depends on circuit design). A clap -switch circuit is a sound sensitive circuit. The operation of the circuit is simple. Clap and the fan turn on. Clap again it increases speed and clap gain it turns off. The condenser microphone picks up the sound of your claps, coughs, and the sound of that book knocked off the table. It produces a small electrical signal which is amplified by the succeeding transistor stage. Two transistors cross connected as a bistable multivibrator change state at each signal. One of these transistors drives a heavier transistor which controls a fan.

CO-CURRICULAR ACTIVITIES

- Published a technical paper in IJISET Volume 8 issued 6, June 2021
- Published a technical paper in IJIERT Volume 8 issued 9, September 2021
- Mini Project Competition
- Attended one day workshop on Ethical Hacking
- Participated in project competition
- Attended various kinds of webinars
- Attended two days workshop on Flutter

PERSONALINFORMATION

Languages	English, Hindi, Marathi
Hobbies	Reading, listing music, playing cricket.
Date of Birth	15th October 1997

Declaration

I hereby declare that the particulars given above are true the best of my knowledge. If any of this information is found to be false or incomplete, I will be responsible for it.

Date: Signature

Place: Mumbai Mr. Siddhesh Dashrath Deshmukh