



BRIEF SUMMARY

Enthusiastic engineer with a passion for learning new technologies.
Eager to work with an organization offering boundless growth opportunities.
Aim to utilize knowledge and skills to contribute to the progressive growth of the company.
Committed to fulfilling responsibilities to the best of abilities.

KEY EXPERTISE

C/C++ Python Agile DevOps AWS Linux Git MySQL Computer Networking HTML Data Structures
Operating Systems Yocto Project Technical Communication Skills

EDUCATION

MIT Academy of Engineering, Pune

2020 - 2024

B.Tech. - Information Technology | CGPA: 8.29 / 10

S.S.V.P.S.'s Lt. Kr. Dr. P. R. Ghogrey Science College Dhule, Dhule

2019

12th | MSBSSHSE | Percentage: 77.54 / 100

Podar International School, Dhule

2017

10th | CBSE | Percentage: 95 / 100

PROFESSIONAL EXPERIENCE

Klug Avalon Mechatronics Pvt. Ltd. | Semiconductor

15 Jun, 2023 - 26 Sep, 2023

Linux Developer Intern

Key Skills: Python C++ Yocto Project Ubuntu QT Embedded Linux

In this internship, I am working as a Linux developer intern where I build an embedded operating system using Yocto Project. I also built a software for the OS using Python which is supposed to get the Crane's data using serial terminal and display it on the TFT display. Also, the settings of the Crane's system can be updated or modified using the same App.

INTERNSHIPS

Klug Avalon Mechatronics PVT. LTD.

15 Jun, 2023 - Present

Linux Developer

Key Skills: Python C++ Yocto Project Ubuntu Embedded Linux QT Putty

In this internship, I am working as a Linux developer intern where I build an embedded operating system using Yocto Project. I also built a software for the OS using Python which is supposed to get the Crane's data using serial terminal and display it on the TFT display. Also, the settings of the Crane's system can be updated or modified using the same App.

AICTE Juniper Networks

01 Jul, 2022 - 14 Sep, 2022

Networking Intern

Key Skills: Networking Network Security

AICTE Juniper Networks Networking Virtual Internship

REDX MITAOE

01 Jun, 2022 - 30 Jun, 2022

Data Science Intern (Developer)

Key Skills: Machine Learning Data Science BERT Model Python HTML CSS Selenium

A semantic analyzer and keyword summarizer using BERT model.

PROJECTS

Machine learning approach for Blood Pressure based intravenous infusion

01 Aug, 2022 - 15 Jun, 2024

Mentor: Dr. Rajeshwari Goudar, Professor & Dean SCET | **Team Size:** 4

Key Skills: Python AWS Cloud Arduino AWS EC2 Data Processing Pipelines Software Development C++

In this project, Machine Learning is applied on the data received from the PPG sensors to predict the blood pressure of a person. In this project, I had setup the AWS cloud, data pipeline, software, and documentation.

We have tested different ML models like Linear Regression, Random Forest, and Hybrid Models like Recurrent Neural Networks (RNNs) with a Convolutional Neural Networks (CNNs) which is used to detect both temporal and spatial characteristics of the blood which leads to improved results.

The successful implementation showcases efficient and non-invasive blood pressure monitoring with improved accuracy.

Phoenix Virtual Assistant

30 Sep, 2021 - 01 Jun, 2022

Mentor: Dr. Sanjay Ghodke | **Team Size:** 4

Key Skills: Artificial Intelligence Python Programming Qt

A virtual assistant which is capable of speech recognition and to automate tasks.

E-Waste Management System

02 Jan, 2022 - 30 Apr, 2022

Mentor: Dr. Ranjana Badre, Associate Professor, MITAOE | **Team Size:** 2

Key Skills: JDBC Connectivity MySQL NetBeans GUI Java Swing Database

Sustainable e-waste management system to perform CRUD operations on the database efficiently using the GUI.

PUBLICATIONS / RESEARCH / WHITE PAPERS

Keyword Summarizer Using BERT

15 Sep, 2022

Research Paper | IEEE Xplore | **Mentor:** Rudragouda G Patil | **No. of Authors:** 6

Key Skills: Web Scraping Data Research

Keyword summarizer using the BERT model.

ACHIEVEMENTS

- Marketing Head, ED-Cell MITAOE
- SCICON Core Team Member

ASSESSMENTS / CERTIFICATIONS

AWS Academy Graduate - AWS Academy Cloud Foundations

Google Cloud Career Practitioners Program (GCCP)

SEMINARS / TRAININGS / WORKSHOPS

JNCAA JNCIA JUNOS Training MIT Academy of Engineering (MIT AOE)

21 Sep, 2022 - 24 Sep, 2022

Institute Name: MITAOE (Company: Juniper Networks)

Key Skills: Computer Networking Networking Protocol Junos Operating System

CO-CURRICULAR ACTIVITIES

- Member of NSS Club (National Service Scheme)
- Participation in various Coding competition conducted in college

EXTRA CURRICULAR ACTIVITIES

- Part of Kabaddi team during Nakshatra (College event)
- Part of bamboo dance performed by SCET department during Nakshatra

PERSONAL INTERESTS / HOBBIES

- exploring new places
- Photography

WEB LINKS / IMs

- WhatsApp - 8806973149
- Other - https://www.credly.com/badges/f1a1850f-5a16-4dfa-aaa9-fb35af5c1a71/public_url
- Other - https://www.cloudskillsboost.google/public_profiles/090b8296-2109-4f0b-9add-2bc82fc39cfb

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: B-1208, Venture City, Alandi (D) Pune, Pune, Maharashtra, India - 412105

Emails: chetans.patil@mitaoe.ac.in , cspatil1011@gmail.com

Date of Birth: 10 Nov, 2000

Known Languages: English, Hindi, Marathi

Permanent Address: House no 361, Ward 1, At Post Burzad, Tal. Dist. Dhule, Dhule, Maharashtra, India - 424307

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