

# MOHIT GANDHI

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## EDUCATION

**Pimpri Chinchwad College of Engineering, Pune, India (Affiliated to Savitribai Phule Pune University)**

**Bachelor of Engineering in Computer Engineering (CGPA: 9.34/10)**

**June 2018 - May 2022**

- Relevant Courses- Advanced Data Structures, Web Technology, Theory of Computation, Software Engineering and Project Management, Systems Programming and Operation System, Data Analytics, Data Mining, Artificial Intelligence and Robotics.

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## PUBLICATIONS

**Topical Survey on Computing Solutions for Plant Disease Classification using Deep Learning Techniques** in *Advances in Image and Data Processing using VLSI Design* (Accepted) May 2021

**Review of Deep Learning Models for Mask Detection and Medical Sensors for IoT based Health Care System** in *IEEE International Conference on Computational Intelligence and Computing Applications-21* (Accepted) Nov. 2021

**Portable IoT Device for Health Analysis and Management using Edge Computing** in *Elsevier - Journal of Systems and Software* (Under Review) Nov. 2021

**Parallel and Edge Computing Techniques for Computer Vision Models on Embedded Devices** in *Springer- International conference on Emerging trends and Innovations in ICT (ICEI)* (Under Review) Nov 2021

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## WORK EXPERIENCE

**Hamoye.com\_**

**Pune, India**

**Data Science Intern**

**Aug 2021- Nov. 2021**

- Mastered various concepts like Python in Machine Learning, Regression, Classification, Image Recognition and Object Detection, Neural Networks, Data Analysis.
- Worked on capstone project “Global Prediction of Food Prices”, “Stock Prediction of S&P 500” using regressive data analysis and training various Machine Learning models for better efficiency and results.

**Persistent Systems**

**Pune, India**

**Academic Intern**

**Jun. 2021- Aug. 2021**

- In-depth knowledge of computer science core subjects like Data Structure, Computer Architecture, Programming Languages(Python and C++), Databases, Computer Networks through live virtual training & its use in real-life problems

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## PROJECTS

**Stock Prediction of S&P 500**

**Oct. 2021**

- It includes analyzing various stocks from the dataset to predict the rise and fall trend of S&P shares in the stock market.
- For better prediction of stock the dataset is trained against the LSTM model using sklearn and keras library.

**Health Management System using Edge Computing**

**Jul. 2021 - Sep. 2021**

- Device to check if a person is wearing mask & has a healthy heart rate using M5Stack Core2, ESP32CAM, AWS IoT, Edge Impulse.
- 3D Printing and Circuit Design are used to build a complete prototype that is enclosed in a case and can be used in offices & schools.

**ChatBot**

**March 2021**

- Chatbot that will understand what the user is talking about and give an appropriate response displayed in GUI using Tkinter.
- Dataset is preprocessed using Lemmatization technique and dataset is trained using SGD optimizer in Python language.

**Peer-Code**

**Jul. 2020 - Aug. 2020**

- An Online Coding Question Solving Platform with Online Coding Compiler. Made using HTML/CSS, NodeJS, Firebase, ReactJS.
- It includes an online IDE for compiling and viewing code results online as well as a score system for each user as he solves questions.

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## SKILLS

**Languages-** C, C++, Python, JavaScript(React, ExpressJS)

**Web-Technology-** HTML, CSS, Bootstrap, Wordpress **Databases-** Firebase, MySQL, MongoDB

**Technologies-** Machine Learning, React-Native, Figma.

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## ACHIEVEMENTS AND ACTIVITIES

**HackMed UK Hackathon** - Third Prize and Best Accessibility Hack as Bionics Hack Winner

**April 2021**

**HackAccessibility Hackathon** -Won Donation prize of 200\$(donated to charity)

**April 2021**

**AbradacabraHacks Hackathon** - Second Prize

**May 2021**

**FinHacks Hackathon** - Best Hardware Hack

**March 2021**