

Sarthak Agrawal

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EDUCATION

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING

B.TECH IN ELECTRONICS AND COMMUNICATION

August 2022 | New Delhi, India

OverAll Cum. GPA: 8.01

NEW ERA PUBLIC SCHOOL

May 2018 | New Delhi, India

10th Grade - Cum. GPA 9.2

12th Grade - Cum. GPA 9.2

SKILLS

PROGRAMMING

Proficient with:

Java • Python • C++ • Machine Learning
• Neural Networks • Javascript • Node.js
• HTML5 • CSS • Matlab • MongoDB

Familiar with:

AWS • Android • MySQL • Cloud
Computing • Quantum Computing

LINKS

Github:// [SarthakAgrawal](#)

LinkedIn:// [SarthakAgrawal](#)

Twitter:// [@Sarthakdcoder](#)

TRAININGS

IN-HOUSE TRAINING 1

(BVPCOE) | MACHINE LEARNING
AND DEEP LEARNING USING PYTHON

May 2020 - July 2020

IN-HOUSE TRAINING 2

(BVPCOE) | CLOUD COMPUTING
AND DEVOPS

February 2021 - March 2021

INDUSTRIAL TRAINING (SO
INFOTECH PVT. LMT) | ETHICAL
HACKING

July 2021 - August 2021

PUBLICATIONS

- [1] S. Agrawal, H. Jindal, and R. Khera.
Heart disease detection using
machine learning algorithms. *Scopus
Index, ICCRDA*, 2021.

WORK EXPERIENCE

JP MORGAN CHASE AND CO. | SOFTWARE DEVELOPER VIRTUAL
INTERNSHIP OFFERED BY JP MORGAN CHASE

March 2022

- Worked on a Stock Market Interface.
- Web Development using HTML, CSS and Javascript.
- Wrote and Tested the web app using various Unit Tests.
- Build a Dynamic Graphical Visualization of Stocks that had a Stock Ratio Line to predict trade opportunity.

IBM-MIT QUANTUM COMPUTING COURSE FELLOWSHIP |
SCHOLARSHIP

August 2020 - May 2021

- Among 2000 students to be selected all around the world.
- Virtual Training led by professors of MIT including Labs.
- Learned the Basics of Quantum Computing and Quantum Mechanics with hands on experience on IBM Quantum Experience.
- Implemented Quiskit forming Quantum Circuits's.

PROJECTS

SECURITY OF IOT DEVICES USING BLOCKCHAIN TECHNOLOGY
| MAJOR PROJECT

- A Blockchain based Web Authentication System for IoT Devices was Developed.
- Use of all the latest technology such as ReactJS for Front-End had been made.
- Ethereum Based Smart Contract's for the Authentication Dashboard were written using Solidity Language.
- Research Paper on the above topic had been written.

HEART DISEASE PREDICTION USING MACHINE LEARNING
ALGORITHMS | GITHUB, ML AND AI

- A Model was built using various Machine Learning Algorithms including K-Nearest Neighbour, Random forest and Logistic Regression.
- Heart disease prediction was made after training and testing the model on dataset provided by UCI repository.
- Got an accuracy of more than 85 percent which was much more than any of the previous model built to predict any heart disease.
- Research Paper for the given project published in International Conference.

LEISUREHUB | ANDROID APP

- LesiureHub is a Android based Video Calling App that Allows users to interact with each other through either Video Calling or Chat.
- It Allows upto 75 People to interact with each other in the same meeting.
- Available on PlayStore.