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Vedant Poddar
Computer Engineering Intern

GitHub: star10RD
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Dedicated and performance driven engineering Intern with a pro-active approach. Curious and eager to learn and successfully finish all assigned projects within budget and schedule. An effective team player with extraordinary analytical skills and ability to think critically.

EDUCATION

Bachelor of Technology in Computer Engineering, *Ajeenkya D.Y. Patil Univerisity*, *7.96 GPA*   2019 — 2023
ISC (Class XII), *St. Joseph's School, Bhaktinagar*, *85.25%*   2017 — 2019
ICSE (Class X), *St. Joseph's School, Bhaktinagar*, *91.80%*   MAR 2017

PROJECT EXPERIENCE

TEAM MEMBER / AUTOMATED MEDICINE DISPENSER WITH SALINE MONITOR   JAN 2022 — MAR 2022
Ajeenkya D.Y. Patil University   *Pune, Maharashtra*

- A Raspberry Pi was used to power this project.
- 3 slots for medicine dispensing is present which dispenses at a given time.
- A web interface was created using Python framework - Tornado, to set the timings and view information regarding the patient.

LEAD AUTHOR / COMPARISON PAPER ON DIFFERENT IMPLEMENTATIONS OF BINARY SEARCH TREE   JAN 2022 — MAR 2022
Ajeenkya D.Y. Patil University   *Pune, Maharashtra*

- An AVL Tree, Mehlhorn's Approximation Algorithm and an unbalanced Binary Search Tree was compared in this paper.
- Mehlhorn's Algorithm was found to be the most practical.
- The paper compared the build time and expected depth of the different implementations.

TEAM LEADER / DIABETES DETECTION USING MACHINE LEARNING AND PYTHON   JAN 2022 — MAR 2022
Ajeenkya D.Y. Patil University   *Pune, Maharashtra*

- Python and Streamlit was used in this project.
- Random Forest Classifier and KNN was used in this project.
- The model was trained and the Streamlit server has an user input option to predict whether the patient has diabetes or not.

TEAM LEADER / IMPLEMENTING KNN ALGORITHM ON IRIS DATASET IN R   JAN 2022 — MAR 2022
Ajeenkya D.Y. Patil University   *Pune, Maharashtra*

- Iris dataset was used in this program.
- R Language was used which was primarily used for statistical computing.
- KNN algorithm was used to predict the species in the Iris Dataset.

TEAM LEADER / COMPUTING PROBABILITIES USING PYTHON   JAN 2021 — MAR 2021
Ajeenkya D.Y. Patil University   *Pune, Maharashtra*

- Poker hand probability simulator which calculates the occurrence of having a desired hand.
- Python language used to generate a deck of 52 cards and a random 5 card pair.
- Subsequently, the program checks the value of each card and prints the probability.

TEAM LEADER / SMART DELIVERY ROBOT   JAN 2020 — MAR 2020
Ajeenkya D.Y. Patil University   *Pune, Maharashtra*

- OTP based delivery system which is now used to deliver essential items to University professors during class hours.
- Robot uses **line following technology** to reach a classroom.
- OTP based locker which can only be opened by the person summoning the robot.
- Robot connects to a customized app which allows the user to summon it.

TEAM LEADER / HOME AUTOMATION USING NODEMCU AND CUSTOM ANDROID APP   AUG 2019 — DEC 2019
Ajeenkya D.Y. Patil University   *Pune, Maharashtra*

- Home automation system which uses the local WiFi network to connect to a custom app, enabling control of all electric lights and appliances.
- Code uses the NodeMCU for creating the WiFi Network.
- The custom app was created using MIT AppInventor.

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CERTIFICATION

AZURE AI FUNDAMENTALS   **DEC 2021**
Microsoft
- Demonstrates knowledge of common ML and AI workloads and how to implement them on Azure.

JAVASCRIPT ALGORITHMS AND DATA STRUCTURES   **JUL 2021**
FreeCodeCamp.org
- Developer Certification, representing approximately 300 hours of coursework.

RESPONSIVE WEB DESIGN   **JUL 2021**
FreeCodeCamp.org
- Developer Certification, representing approximately 300 hours of coursework.

SKILLS

Programming Languages	Python, Java, C++, Git, HTML, CSS, JavaScript
Programming Tools	Arduino IDE, VS Code, Raspberry Pi, Linux, Google Collab
Communication	English, Hindi (fluent speaker), Bengali (reading and writing), Nepali (reading), Marathi (reading)

ACTIVITIES

Core Member, *HashTech 2022, ADYPU*	2022
Design Lead, *Google Developer Student Club, ADYPU*	2021 — Present
Student Council Representative, *St. Joseph's School Bhaktinagar*	2015 — 2019
1st Place in Inter-School CodeChef, *CompPhyMathix*	2019
1st Place in Inter-School Poster Designing, *CompuMathix*	2018
1st Place in Inter-School Logo Design, *Bosco Imprenditore*	2018