

ADNAN SADAR

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EDUCATION

Vishwakarma Institute of Technology, Pune, India

Bachelor of Technology in Information Technology, CGPA: 8.06

Expected
May 2022

St. Marys' Junior College, Pune, India

12th, ISC 82.3%

2016 - 2018

St. Marys' School, Pune, India

10th, ICSE 91%

2005 - 2016

SKILLS

Languages: Java, JavaScript, Python, C, Shell Scripting

Databases: SQL, MongoDB

Tools: Git, VSCode, IntelliJ IDEA, PyCharm, Atom

Libraries/Frameworks: ReactJS, Bootstrap, NodeJS, OpenCV, Numpy, Pandas, Matplotlib

EXPERIENCE

Core Committee Member, REDX VIT Pune

September 2018 - April 2019

- Responsible for managing all social media handles like Twitter, Facebook and Instagram.
- At REDX the members identify global problems, come up with solutions and then implement a project for countering it.
- Was a part of the core committee which involved planning sessions for students and also helped with the technical work involved in these events.

Content Manager, VishwaNova VIT

February 2020 - April 2020

- The VishwaNova VIT Content team comprised of 5 members, our task as the content team was to come up with catchy headlines, phrases along with some content describing the event, making the best use of our vocabulary and creative minds.
- Individual members were given this task to come up with these ideas and write them down for separate events. This content would be posted on all forms of social media.

PROJECTS

Cryptocurrency Price Tracker

January 2021 - February 2021

- Designed using ReactJS, this App tracks the prices, market capitalization, volume and price change % of all cryptocurrencies out there using Axios to fetch the data.
- Array filter and map functions have been used to get matching cryptocurrency results as user enter words in the search box.
- React Hooks like State Hook and Effect Hook has been used for state management.
- Object Destructuring has been used to pass the coin data as props to child component.

Brain Tumor Auto Segmentation Using MRI Images

August 2020 - December 2020

- A system for the Doctors that enables them to segment multi class tumors like edemas, non-enhancing tumor and enhancing tumor in Specific Patients. This model will ease out the work of Doctors that inputs 3D Brain MRI images and returns results.
- Trained a model from scratch using BraTS2018 dataset with the brain MRI's and classify as well as segment the type of brain tumor. Data pre processing techniques like sub volume sampling and standardization have been performed initially.
- A 9 layer and a 7 layer U-Net model has been used for segmentation and have resulted in an improvement in the dice score.

Home Security Project

February 2019 - May 2019

- This is a home security system which uses Raspberry Pi 3, PIR sensor is used to detect the presence of an intruder using passive infrared rays. This triggers the Pi Camera which is also connected to the RPi. The Pi camera captures the image and stores it in the firebase. The user will receive an email containing pics of the intruder and also an alert on the App.

ACTIVITIES

Navonmesh Top 3 Project in F.Y. Social Work at Tayyabia Orphanage, IshaPrema Niketan State-level Basketball Champions