

Mukund Yadav

✉ mukyadav@iu.edu 🌐 mukund-13 in Mukund Yadav ☎ +317 835 1816 📍 Indianapolis, IN, 46202, USA
🖱 mukundyadav.tech

🎓 Education

BS in Electrical and Electronics Engineering,
Purdue school of Engineering and Technology, Indiana University-Purdue University.

Aug 2018 – May 2022
Indianapolis, IN

💼 Experience

Voice Assistance Research, IUPUI

Aug 2021 – Dec 2021

- Developed a **voice assistant** with improved word recognition using python.
- Users would ask verbally about the medications they need and the VA would say it back to them.
- Created a **JSON file** with common medical terms and used **pytttsx3** to check if the word said is present in the JSON dataset.

Full stack developer, MURI | IUPUI

May 2021 – Aug 2021

- **Developed a website** for the Grand Marble Map of Rome project.
- Revamped the backend using **Django-Python**.
- Programmed the website where a visitor could **view/search data** and someone with access could **add/delete data**.
- Deployed website using **AWS** with **nginx** and **gunicorn**.

Head of Communications,

Mar 2019 – Jul 2020

Team Vyadh|Students for Exploration and Development of Space, VIT

- **Engineered a rover** that would compete in University Rover Challenge, 2020.
- Programmed the **GCS using node.js**(a communication system developed by me).
- Integrated the Arduino/MATLAB codes **using ROS**, responsible for rover operation.
- **Hosted a server using Linux** for rover operation.
- Qualified as **one of 32 teams out of 500** for URC.

📁 Projects

House Value Predictor, ML/Python

Dec 2021 – Jan 2022

- Created a Project that could predict the value of a house from a given dataset.
- Libraries used were Pandas, Numpy and Scikit-learn.
- The values were predicted with an mse of 1.411

Stock Value Predictor, ML/Neural Networks

Jan 2020 – May 2020

- Programmed a project in **Python that used neural networks**.
- Predicted how a **stock value would change using ML**.
- Utilized real-world data to **train the neural network**.
- Obtained a plot and **checked the accuracy of the algorithm**.

🧠 Skills

AWS (Cloud computing using AWS)

Linux (Set up a server using ROS through Linux | Uses Linux OS (Ubuntu) daily | Skilled at using the Linux CLI)

Programming Languages (Python | Javascript | C/C++ | MySQL | R)

Machine Learning (Pytorch | Scikit-learn | TensorFlow | Keras | Numpy | Pandas | Understand and implement ML algorithms)

Git (Use Git | GitHub)

Web Development (Full-stack web development using MERN/Django | Website design using HTML/CSS/SASS)

Software/Hardware (MATLAB | ROS | Arduino | Raspberry Pi)

Adobe packages (Photoshop | Premiere Pro | Illustrator | After Effects)

Non Technical (Punctuality | Adherence to deadlines | Time Management | Teamwork | Leadership)

Multi-linguistic (English | Hindi | Spanish)