

# Udathu. Hari Hara Durga Vasisht Pranav

 [HHDVasishtPranav](#) |  [Hari Hara Durga Vasisht Pranav Udathu](#) |  [hhdvp.me](#) |   
[vasishtpranav.udathu@gmail.com](mailto:vasishtpranav.udathu@gmail.com) |  +91 9347349353

## EDUCATION

---

|                |   |                 |
|----------------|---|-----------------|
| 2021 - present | Bachelor's Degree at <b>SRM University AP</b>                   | (GPA: 7.7/10.0) |
| 2021           | Class 12th BIEAP at <b>STAR COLLEGE PLATINUM CAMPUS</b>         | (887)           |
| 2019           | Class 10th ICSE at <b>St.Francis English Medium High School</b> | (492/600)       |

## SKILLS

---

|                                   |  |
|-----------------------------------|--|
| Languages                         | Python, JavaScript, C, C++, Java .   |
| Web Technologies                  | HTML5, CSS3, Flask, Node js, Express js, React.  |
| Database Management               | MongoDB, MySQL.  |
| Machine Learning and Data Science | TensorFlow Scikit-Learn, Keras, PyTorch, Pandas, NumPy, Matplotlib, Seaborn, Jupyter Notebooks, SciPy. |
| Version Control and Collaboration | Git, Git hub.  |
| Operating Systems                 | Linux, Windows.  |
| Cloud services                    | Azure.   |
| Containerization                  | Docker.  |

## WORK EXPERIENCE

---

|  |                     |
|--|---------------------|
| <b>Intern at Techwave Consulting India Pvt Ltd</b> | Jun 2023 - Aug 2023 |
|--|---------------------|

- Developed and deployed machine learning models for predictive analytics, enhancing decision-making processes and increasing forecasting accuracy within three months using Python and TensorFlow
- Conducted extensive data analysis and preprocessing for machine learning models, resulting in reduction in error rates and improved model performance
- Worked with Python, TensorFlow, and web development frameworks.

|   |                     |
|---|---------------------|
| <b>Research on Gene Expression-Based Classification of Tuberculosis</b> | Aug 2023 - Dec 2023 |
|---|---------------------|

- implemented Random Forest and XGBoost classifiers to achieve high accuracy in TB classification. Optimized models using ensemble methods for feature selection, resulting in improved model efficiency and reliability.
- Executed comprehensive permutation importance analysis, uncovering key genetic markers for TB diagnosis, paving the way for innovative diagnostic techniques and enhancing diagnostic accuracy
- Employed a comprehensive suite of Python libraries (Scikit-Learn, Pandas, NumPy, Matplotlib, Seaborn) for data preprocessing, in-depth analysis, and robust model development.

# PROJECTS

---

## Auto ml

[link](#)

- Developed a user-friendly AutoML tool for streamlined Exploratory Data Analysis (EDA) and model training.
- Enabled efficient data uploading, robust EDA, and machine learning model training for regression and classification tasks.

## wordPD

[link](#)

- Developed a Node.js and Express.js application with HTML/CSS for a daily email subscription service.
- Provided users with English words and meanings to enhance verbal reasoning skills and language proficiency.

## Voice assistant

[link](#)

- Utilized Python to create a Voice Assistant service that showcases the transformative impact of modern technology on daily tasks.
- Empowered users to effortlessly execute tasks through intuitive voice commands, enhancing productivity in daily activities.
- Provided a seamless solution for diverse day-to-day tasks, leveraging contemporary technology to simplify user interactions.