Harish Maske

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Education

Maulana Azad National Institute of Technology, Bhopal Aug. 2023 – Aug. 2027
B-Tech in Mathematics and Data Science *CGPA: 9.00*
Kailashpat Singhania High School, Sausar 2021 – 2022
CBSE (Class XII) *93%*
Ram Shanti Vidhya Mandir, Pandhurna 2019 – 2020
CBSE (Class X) *92.2%*

Experience

Agnirva Space Internship Program Dec. 2024 – Jan. 2025
Intern *Remote*

- Worked on **space technology** projects under an **AICTE-recognized internship**, applying theoretical knowledge to real-world aerospace challenges.
- Gained hands-on experience in **data analysis** and **modeling** to improve accuracy and efficiency in **aerospace applications**.
- Collaborated with a multidisciplinary team to design and develop **innovative solutions** addressing challenges in the **space sector**.
- Enhanced understanding of **machine learning applications** in **space research**, leveraging algorithms for predictive analytics and system optimization.

Projects

Parkinson's Disease Prediction | *Python, Machine Learning*

- Built a **Flask web app** for patients to input health details (tremors, speech impairment, muscle stiffness, etc.) and receive **Parkinson's disease** risk predictions.
- Applied **Support Vector Machine** and **Random Forest Classifier** for robust and accurate results.
- Created an intuitive interface for **real-time assessment** and **report generation** to track disease progression.
- Preprocessed data by **handling missing values, normalizing features**, and applying **feature selection** techniques to enhance model accuracy.

Portfolio Website ⌘ | *HTML, CSS, JavaScript*

- Designed and developed a **responsive portfolio website** using **HTML, CSS, and JavaScript**.
- Implemented modern UI/UX principles for an engaging and accessible design.
- Added interactive features using **JavaScript** to enhance user experience.
- Integrated **Web3 Forms** to **securely handle** form submissions and user queries.

Calculator Application ⌘ | *HTML, CSS*

- Developed a **fully functional calculator** using **HTML and CSS** with an intuitive user interface.
- Implemented **event-driven programming** to handle user inputs and perform arithmetic operations efficiently.
- Enhanced UI with **CSS styling** and responsive design for seamless experience across devices.

Nim Game | *C++*

- Developed a strategic **Nim game** using **C++**, allowing two players to compete with an intuitive command-line interface.
- Implemented logical move selection for two users, ensuring fair gameplay and applying core principles of **game theory** to enhance strategy.
- Integrated **error handling** and input validation to prevent invalid moves and ensure a smooth and engaging user experience.

Technical Skills

Languages: C/C++, JavaScript, Python, HTML/CSS, MySQL
Frameworks: React, RASA
Libraries: NumPy, Pandas, Matplotlib
Course Work: OOPS, Data Structures and Algorithms, Operating System, Networking