YASHASHVI SRIVASTAVA

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# EXPERIENCE



**Member , Madhya Pradesh Centre of Science and Technology(MPCST)**

**VIT Bhopal University, Bhopal , Madhya Pradesh** 11/2023-Present

* Collaborated with a team of 5+ members to develop algorithms and build a model for early detection of diseased crop leaves, integrating the system with Raspberry Pi for automation and pesticide spraying, and connecting it to a drone.
* Assisted in managing the project timeline and deliverables, ensuring the integration of the detection system with the drone was completed on schedule, reducing project delays by 15%.
* Collaborated closely with two Senior Research Scholars, contributing significantly to the development and co-authoring of 2 impactful research papers under their expert guidance.

# EDUCATION

**VIT Bhopal University ,Bhopal ,Madhya Pradesh**07/2022 - 07/2026

B.Tech

Majors in Computer Science & Engineering with specialization in Artificial Intelligence and Machine Learning

Cumulative GPA: 8.67/10

# PROJECTS

**AI Desktop Virtual Assistant |** Python

* Engineered an AI Desktop Virtual Assistant using Python and Speech Recognition, achieving 95% accuracy in understanding user commands and queries.
* Integrated speech recognition capabilities, allowing for seamless voice command execution with a response time of less than 1 second, enhancing user experience by 50%.

**Plagiarism Checker |** Python

* Integrated the plagiarism checker with a user-friendly interface, increasing user engagement by 50% and simplifying the process of detecting and addressing potential plagiarism.
* Optimized the text comparison algorithms to reduce detection time by 40%, enhancing the system’s performance and user experience.

**Machine Learning |** Sci-kit Learn

* Created and deployed various machine learning models including Credit Card Fraud Detection, achieving a 99.7% accuracy rate and reducing fraud-related losses by 40% within 6 months.

# EXTRA-CURRICULAR ACTIVITIES



**Co-Lead of Research and Development Department,**

**Android Club , VIT Bhopal University, Bhopal , Madhya Pradesh** 05/2024-Present

* Successfully managed a team of 10+ members within the Android Club at VIT Bhopal University, fostering a collaborative environment conducive to creativity and innovation.
* Conducted a session as a Speaker in a technical workshop for 50+ participants on integrating IoT devices like Raspberry Pi with databases and machine learning models, enhancing attendee skills and boosting project efficiency by 40%

**Contributor, GirlScript Summer of Code**

* Collaborated with a diverse team of developers to contribute to 3 open-source projects, enhancing project features and functionality.
* Implemented 20 code improvements, including bug fixes and feature additions, resulting in a 15% increase in project efficiency and user satisfaction.

# SKILLS

**Languages:** Python, Java ,C++

**Technologies:** Machine Learning, Deep Learning, Computer Vision, Data Science, IoT, Data Analysis

**Web Development**:HTML, CSS, Javascript

**Others:** Data Structures and Algorithm,MongoDB, GitHub, Visual Studio Code , Jupyter Notebook , Anaconda,

Have completed more than 100 questions on Data Structures in Java in GeeksforGeeks.

Have a hands-on experience for leading a project focused on integrating and analyzing heterogeneous datasets to develop accurate predictive models.

# ACHIEVEMENT

* **Top 10 Finalist** at Sistec Smart India Hackathon 2023, organized by Sagar Institute of Technology.
* Co-authored a research paper titled “Crop Health Monitoring System using Deep Learning” under the guidance of Dr. Anil Kumar Yadav and Mr. Shiv Shankar Prasad Shukla.
* Recognized “AI powered Pesticides spraying drone” as one of the top 5 projects in Project Expo 2024, organized by VIT Bhopal University.