

Nihalika Kumari

9939605596 | nihalikasinha405@gmail.com | [LinkedIn](#) | [GitHub](#)

EDUCATION

Vellore Institute of Technology

Bhopal,M.P

B. Tech in Computer Science (specialization in Cloud Computing and Automation) CGPA: 8.9 Aug. 2022 – Present

DAV Public School Cantt Road Khagaul

Patna, Bihar

Senior Secondary Percentage: 90.0

Aug 2019 – Jul 2021

EXPERIENCE

iAssist Innovations Labs

Dec 2024 – Ongoing

AI/ML Intern

Remote(Bengaluru)

- Designed and developed a deployment website with intuitive UI, enabling users to generate Kubernetes documentation files based on input forms and self-deploy services.
- Designed an interactive interface with advanced features, including deployment history tracking,autoscaling options, and real-time error handling.
- Collaborated with cross-functional teams to optimize the website's performance and align it with client needs.

Shriram Bioseed Genetics (A Division of DCM Shriram Ltd)

Nov 2024 – Dec 2024

Software Developer Intern

Hyderabad

- Launched an AI-driven chatbot aimed at enhancing operational workflows; achieved a reduction in repetitive task handling by 60%, freeing up 15 hours weekly for customer service representatives to focus on high-value interactions.
- Enhanced internal processes by providing data-driven insights and optimizing workflows.
- Optimized internal processes by leveraging data-driven approaches and aligning with organizational goals.

PROJECTS

Cancer Cell Classifier | *HTML, CSS, JavaScript, Python, Scikit-learn* | [Link](#)

- Developed a cancer cell classification tool using Scikit-learn, leveraging the Breast Cancer Dataset for training and predictions.
- Integrated local storage functionality to store and manage disease details efficiently.
- Used the Gaussian Naive Bayes algorithm for probabilistic classification, optimizing the accuracy of predictions with feature independence assumptions.

Virtual Mouse | *HTML, CSS, Python, OpenCV, Mediapipe* | [Link](#)

- Developed an innovative virtual mouse that uses AI and hand landmark detection to replace traditional input devices, enhancing accessibility and usability.
- Used OpenCV to handle real-time image processing and hand landmark detection. Designed gesture-based click detection, enabling actions like single, double, and right clicks through hand gestures.
- Implemented advanced hand tracking with MediaPipe Hands or Detectron2, using Kalman filters for smooth and accurate cursor control and to reduce jitter.

TECHNICAL SKILLS

Languages: C++, C, JavaScript, Python, Java,

Frameworks:React, NodeJs

Web Development: HTML, CSS, SASS, REST API, SQL(MySQL),

General: Git, Data Structures and Algorithms, Object Oriented Programming, Database Management System, Operating system, Computer Networks

ACHIEVEMENTS & CERTIFICATIONS

- Level 17 Contributor in Google's CROWDSOURCE program, actively supporting AI and machine learning advancements by annotating and validating data.
- Coordinated logistics for ADVITYA 2022, managing budgets, securing venues, and ensuring a seamless experience for over 15000 attendees.
- Certifications:** The Bits and Bytes of computer (By Google DEC2023), Fundamental of AI and ML (MAY2023), Python Essentials (Dec 2022)