

Riya Dixit

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EDUCATION

St. Paul's Church College, Agra, Uttar Pradesh

ICSE with Computer Applications

Shri Ram Centennial School, Agra, Uttar Pradesh

CBSE (PCM)

VIT BHOPAL UNIVERSITY

Bachelor's, Electronics and Communication Engineering

Relevant Courses:- Data Structures and Algorithms, Problem Solving using Python, Microprocessors and Microcontrollers, Programming in Java, Python Programming, Signals and Systems, Analog Electronics.

Student Involvement:- Notion Club Executive Manager, Vitronix Club PR Outreach Team

StartUp Club Social Media Team Lead, IEEE Student Branch Student Partner

Certification:- Machine Learning Specialization (Stanford University, Coursera),

MATLAB Signal Processing, Matlab Fundamentals, Fundamentals of AI ML, Viksit Bharat quiz, Core Signal

Processing Techniques in MATLAB

Achievements:- Industry Conclave Internal round finalist, MERN X AI Ideathon finalist, Codefest Ideathon finalist, Zenith (Quiz round) by Notion Club winner, Participant NEC by IIT Bombay

PROJECTS MADE

Smart Glove For Speech Disabled People

Smart Glove is an innovative wearable device designed to bridge the communication gap for speech-disabled individuals. By translating specific hand gestures into real-time audible speech, it empowers users to express themselves easily and interact more freely with the world around them using Python.

ABHARABHEDI- The Cloud Piercer

Abhrahbhedhi is a multifunctional drone designed for both military and civilian applications, capable of autonomous navigation and app-based control, with features like live video streaming, medicine delivery, and waypoint-based mission planning.

UNDERGOING PROJECTS

Netflix Clone

basic clone of netflix web browser using html, css and js

Flipkart Clone

basic clone of flipkart web browser using html, css and js

AI Code Reviewer

React.js for frontend, Node.js with Express for backend, MongoDB for database, and OpenAI API for AI-powered code analysis.

Research Paper on Drones and Quadcopter

TRAINING AND WORKSHOPS

4th International Conference on Signal and Data Processing (ICSDP 2024) (Springer)

Antennas, Model based reconstruction for accelerated mri, detecting driver maneuvers using elementary analysis, non terrestrial networks for 6g and beyond, legged robots

ELECTRO VLSI WORKSHOP by IEEE VIT BHOPAL

taught the brief of how to create a vlsi network

ANRF SYMPOSIUM by SEEE, VIT BHOPAL

focusing of Merging Physics and Ai for smarter decision making, Wearable Ai and Remote Health Monitoring, Ai for Molecular Biology and Scientific Discovery, the role of ai/ml in 6g networks, socially intelligent autonomous systems and hands on ai and deep learning for medical imaging

SKILLS AND INTERESTS

Skills: Java, Python, HTML, CSS, JavaScript, MATLAB, Basic GitHub, React js and Node js (Learning)

Languages: English, Hindi