Vishwajeet Kumar

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EDUCATION

National Institute of Technology Sikkim 12/2021 – present
Bachelor of Technology
Electrical and Electronics Engineering

G.D Mother International School 2020
Intermediate (XII)

PROFESSIONAL EXPERIENCE

Junior Embedded and IOT Engineer 06/2024 – 07/2024
9Pointers pvt.ltd jaipur
Face Detection and Greeting Device: Developed using OpenCV, Raspberry Pi, and TensorFlow to enhance attendance monitoring and user interaction.
Voice-Controlled Table Height Controller: Created using Arduino Cloud, ultrasonic sensor, ESP32, and relays to automate and improve ergonomic adjustments.

Summer Training 07/2023 – 08/2023
NTPC Limited
Collaborated with a team of engineers to gain hands-on experience in switchgear protection systems within a high-voltage power generation environment.

SKILLS

Programming Language
C, C++, Java, Python, JavaScript

Microcontrollers and Microprocessor
Arduino, Raspberry Pi, ESP8266, GPIO Programming, STM32

Web Development
HTML, CSS, React.js, Redux, Node.js, Django, RestAPI, Express, Flask, MySQL, MongoDB, PostgreSQL

Machine Learning
NumPy, Pandas, SciPy, Matplotlib, Seaborn, Scikit-Learn, OpenCV

PROJECTS

Maze Solver Robot
Event: TECHNEX'23 (IIT BHU)
Developed a maze-solving robot utilizing a PID Control System and LSRB Algorithm. Implemented with Arduino UNO, IR Sensors (IRLS08), Ultrasonic Sensors, and L298 Motor Driver.

Chatify
Developed a comprehensive chat application using React.js, Next.js, Vue.js, Socket.io , and JavaScript, with MongoDB as the database. The application supports real-time messaging, group and personal chats, file and image transfers, and features custom animations, avatar customization, and secure user authentication

Tripling
A web application facilitating the discovery of nearby camping sites and hotels. Tools utilized include Node.js, Express.js, MongoDB, and React.js for a seamless user experience and data management.

Face Recognition and Greeting System
Built a face recognition and greeting system using OpenCV, DeepFace, and TensorFlow, running on a Raspberry Pi. The system identifies people in real-time and greets them by name, making it useful for offices, hospitals, and public spaces to improve security and manage attendance.

Twitter Sentiment Analysis
This project employs Scikit-Learn for logistic regression and random forest, alongside LSTM for deep learning. By utilizing these techniques, it categorizes tweets into positive, negative, or neutral sentiments, providing valuable insights into public opinion.

POSITION OF RESPONSIBILITIES

The Regnant Ink (TRI) 2023 – present
Web Development Lead
Led a team of five members in the successful development and management of web projects for The Regnant Ink.

E & I Cell 2022 – 2023
Member
Actively contributed to the activities of the E & I Cell, collaborating with peers to organize events and initiatives aimed at fostering entrepreneurship and innovation within the community.

CERTIFICATES

- TECHNEX'23 MazeX
- CodeRush'23
- Web Development

DECLARATION

All the above stated information is true to the best of my knowledge

Vishwajeet Kumar