Vaibhav Vishwakarma

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Address: SRHC Hostel 4, SRHC Hospital, Narela, Delhi - 110040
DoB: Sept 20, 2004

Educational Qualifications

Year	Standard	School/College	Percentage/CGPA
2023–Present	B.Tech (ECE)	National Institute of Technology, Delhi (NIT Delhi)	8.28/10
2021–2022	12th	St. Peter's Senior Secondary School (CBSE)	90.00%
2019–2020	10th	Saraswati Vidya Mandir (CBSE)	93.2%

PROJECTS

Qibla Compass | Arduino, Magnetometer   **Dec 2024**
- Developed a Qibla Compass using Arduino (Nano) and magnetometer, providing directional accuracy for prayers.
- Implemented real-time calibration and display output.

Bluetooth-Controlled Robot Car | Arduino, Bluetooth   **May 2024**
- Built a robot car controlled via Bluetooth using Arduino (Uno).
- Enabled wireless navigation through a smartphone app.
- Integrated motor control and real-time response features.

RESEARCH WORK

Seizure Detection Using EEG Signals through Machine Learning   **Feb 2025 – Present**
- Tech Stack (Expected): Python, TensorFlow (or PyTorch), EEG Data
- Analyzing existing methods and approaches for seizure detection using EEG signals.
- Implementing a machine learning model based on research findings.
- Applying algorithms such as CNN and RNN for improved seizure detection.

ROLES AND RESPONSIBILITIES

Training and Placement Cell, NIT Delhi   **Jan 2025 – Present**
Calling Coordinator   *Delhi, India*
- Reach out to company HRs to coordinate and schedule campus placements and internship drives.
- Strengthen communication and negotiation skills through regular professional interactions.

SKILLS

Programming Languages: C++, C, JavaScript, HTML, CSS
Tools: VS Code, Git, GitHub, Canva, Overleaf, Arduino IDE, MATLAB, LTspice
Frameworks: ReactJS, Tailwind
Domains: Web Development, Machine Learning
Soft Skills: Problem Solving, Adaptability, Communication
Languages: Hindi, English

CERTIFICATIONS

• Google Cloud Computing Foundation – Dec 2023

ACHIEVEMENTS

• Project on the Indian Presidential Election process selected at OLabThon, OLABS – Jan 2025

INTERESTS

• Playing Guitar & Singing

• Reading Books

• Stock Market

REFERENCES

Dr. Rikmantra Basu

Associate Professor, NIT Delhi   *011-33861159*

  – National Institute of Technology, Delhi.