Abhisek Rana

 https://github.com/abhisek-143 https://www.linkedin.com/in/abhisek-rana-bb1b47263/ vtu19017@veltech.edu.in

EDUCATION

Vel Tech University	June 2025
B.Tech. Computer Science	*Current GPA: 8.3*
Sevayatan Vidyalaya	June 2020
	GPA: 7.9

COURSEWORK

Courses: Object-Oriented Programming, Data Structures & Algorithms, Discrete Math, Linear Algebra, Calculus, Physics, Probability & Statistics
Awards: Ideathon Winner 2024,

SKILLS

Languages: C/C++, Python, Java, JavaScript, HTML/CSS
Tools: Git/GitHub,/ Unix Shell,/ Colab, VS Code,/PyCharm/

PROJECTS

Home Automation | *Arduino UNO,HC-05 Bluetooth Module,Seeed grove-12C Touch sensor* Aug. 2023
- Control lights, thermostats, lock doors easily via app or voice.
- Home automation enhances security with cameras, sensors, and remote monitoring.
- Automated security: Cameras, sensors, locks for safety, remote monitoring.
- Customize and integrate: Tailor to needs, connect with smart devices.

Diabetes Prediction Using Machine Learning | *Web Development,html,css,javascript,node js,php* Dec 2023
- Collect health data: Blood sugar, BMI, age, family history.
- Train models: Use algorithms to analyze data, create predictions.
- Evaluate models: Check accuracy, precision, recall using cross-validation techniques.
- Predict risk, intervene early with lifestyle changes or medical treatments.

Water Quality Detection | *Web Development,html,css,javascript,node js,php* Dec 2023–Feb 2024
- Deploy sensors in water bodies to monitor pH, turbidity, pollutants.
- Analyze data, trigger alerts for water quality parameter deviations.
- Analyze data, create reports on water quality for informed decisions.

EXPERIENCE

Smart India Hackathon | *Finalists* Dec. 2023
National project event solving real issues for companies and government students showcase creativity.

Attended 2 days workshop Exploring RestAPI | *Perticipent* Sep 2023

salesforce trailhead workshop | *Volunteer* Dec 2023
Python Machine Learning workshop, acquiring hands-on experience in ML concepts and applications

CERTIFICATE

CISCO, Introduction to Cybersecurity course 2013 – 2019
"Intro course covers basics of cybersecurity, protecting against digital threats."

5th Position in IDEATHON organised by Vel Tech University jan. 2024
Won 1000rs nationally competing against veltech university students