





Abhisek Rana

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EDUCATION

Vel Tech University	June 2025
<i>B.Tech. Computer Science</i>	<i>Current CGPA: 8.3</i>
Sevayatan Vidyalaya	June 2020
<i>12th class, Science</i>	<i>Marks: 79%</i>
Panchkahania High School	June 2018
<i>10th class</i>	<i>Marks: 73%</i>

COURSEWORK

Courses: Object-Oriented Programming, Data Structures Algorithms, Discrete Math, Linear Algebra, Calculus, Physics, Probability Statistics, Operating System, Machine Learning, Software Engineering, Data Science, Deep Learning, Big Data Analysis, Microprocessor Microcontroller

Awards: Ideathon Winner 2023, Ideathon Winner 2024.

SKILLS

Languages: C/C++, Python, Java, JavaScript, HTML/CSS ,SQL.

Tools: Git/GitHub, Unix Shell, Colab, VS Code, PyCharm, Eclipse IDE.

PROJECTS

Home Automation	Aug. 2023
<i>("Arduino UNO, HC-05 Bluetooth Module, Seeed grove-12C Touch sensor")</i>	
<ul style="list-style-type: none">• Control lights, thermostats, lock doors via app or voice.• Enhances security with cameras, sensors, and remote monitoring.• Customize and integrate: Tailor to needs, connect with smart devices.	
Diabetes Prediction Using Machine Learning	Dec. 2023
<i>("Web Development, html, css, javascript, node js, php")</i>	
<ul style="list-style-type: none">• Collect health data to train models for prediction.• Predict risk, intervene early with lifestyle changes or medical treatments.• Evaluate models for accuracy and precision.	
Water Quality Detection	Dec. 2023
<i>(" Web Development, html, css, javascript, node js, php")</i>	
<ul style="list-style-type: none">• Analyze data, trigger alerts for water quality parameter deviations.• Deploy sensors in water bodies to monitor pH, turbidity, pollutants• Analyze data, create reports on water quality for informed decisions.	

EXPERIENCE

Smart India Hackathon — Finalists	Dec. 2023
<i>"National project event solving real issues for companies and government students showcase creativity."</i>	
Attended 2 days workshop Exploring RestAPI — Participant	Sep. 2023
<i>"gaining hands-on experience in design, implementation and web services integration techniques."</i>	
salesforce trailhead workshop — Volunteer	Dec. 2023
<i>"Python Machine Learning workshop, acquiring hands-on experience in ML concepts and applications"</i>	

CERTIFICATE

36 Hours Hechathon organised by IIIT jabalpur— hackathon participation certificate	(Mar. 2024)
CISCO, Introduction to Cybersecurity course — course completion certificate	(2023-24)
IDEATHON organised by Vel Tech University — 5th Position winner certificate	(Jan. 2023)