

Abhishek Giri

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Address: Haridwar (249401), Uttarakhand, India

PROFESSIONAL SUMMARY

A motivated Computer Science undergraduate with strong experience in full-stack development, AI/ML applications, and IoT systems. Skilled in building scalable and user-centric platforms using modern web technologies and cloud services. Hands-on experience with real-time systems, automation pipelines, and data-driven applications. Adept at problem-solving, clean engineering practices, and collaborative development.

EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks(%)
Aug, 2023 - Present	B.TECH in Computer Science	Graphic Era Hill University , Dehradun	7.66/10.0
2023	12 th , C.B.S.E	Shri Ram Vidya Mandir , Haridwar	68.20 %
2021	10 th , C.B.S.E	Shri Ram Vidya Mandir , Haridwar	81.83 %

INTERNSHIP EXPERIENCE

• Artificial Intelligence & Cloud Technology Intern

AICTE – Edunet Foundation | IBM SkillsBuild

Sep 9, 2025 Oct 7, 2025

- Executed 4-week intensive AI & Cloud internship with hands-on experience in machine learning pipelines and enterprise-level cloud deployments.
- Designed and implemented real-world AI solutions under mentorship, applying best practices in model training, data preprocessing, and deployment.
- Achieved official AICTE & Edunet certification (ID: STU67b31cee4cd261739791598) endorsed by Dr. Buddha Chandrasekhar and Nagesh Singh.

PROJECTS

• CodeSphere – Collaborative Code Editor Platform

Feb 2025 – May 2025

Built a professional VS Code-style real-time collaborative editor with live cursors and synchronized sessions. Developed a secure multi-language in-browser compiler (C++, Java, Python, JS) integrated with Monaco Editor. Implemented room-based collaboration with chat, Fabric.js whiteboard, and responsive UI. Engineered a scalable Express.js + WebSockets backend with React Context API.

• Maritime Intelligence Platform – AI-Powered SOF Processing

Aug 2025 – Oct 2025

Developed an AI-driven SOF processing platform with 95% accurate OCR and NLP-based event extraction. Integrated maritime-specific event detection, confidence tracking, and multilingual chatbot using OpenAI GPT APIs. Designed a responsive maritime-themed dashboard and enabled structured data export in CSV, JSON, and Excel formats.

• SmartAssist Home – IoT Accessibility Automation System

Oct 2025 – Present

Engineered an IoT accessibility platform with gesture recognition, voice automation, and fall detection. Integrated ESP32 modules with MPU6050, PIR sensors, relays, and emergency alerts. Developed an accessible React dashboard with real-time MQTT/WebSocket updates and Firebase integration. Achieved sub-second response times supporting 4 major disability categories with adaptive automation.

TECHNICAL & SOFT SKILLS

- Programming Languages:** C++, Python, Java, C, JavaScript, HTML, CSS, SQL
- Frameworks & Libraries:** React.js, Node.js, Flask, RESTful APIs, TensorFlow, OpenCV, Pandas, NumPy, Matplotlib, Seaborn

- **Databases:** MySQL, Oracle, MongoDB
- **Cloud & Deployment Platforms:** AWS, Firebase, Vercel, Netlify, Render
- **Developer Tools:** Git, GitHub, VS Code, PyCharm, Jupyter Notebook
- **IoT & Hardware:** ESP32, Arduino, MPU6050, PIR sensors, Embedded Systems Programming
- **Core Technical Concepts:** Machine Learning, Deep Learning, NLP, Data Structures & Algorithms, OOP, OS, DBMS, Computer Networks, Cloud Computing
- **Soft Skills:** Team Leadership, Problem Solving, Time Management, Adaptability, Self-Motivated

TRAINING & WORKSHOPS

- **AWS Cloud Services Training Program** *Mar 2025 – Apr 2025*
Amazon Web Services, Dehradun
Completed AWS Cloud Services Training Program, gaining hands-on experience in core AWS offerings, cloud architecture, deployment strategies, and infrastructure management.
- **Machine Learning Engineer Training Program** *Apr 2025 – May 2025*
Amazon Web Services, Dehradun
Completed Machine Learning Engineer Training Program, focusing on supervised and unsupervised learning, model development and deployment, and practical use of AWS ML services.

CERTIFICATIONS

- **Google Analytics Certification** – Google Digital Academy (Skillshop)
- **AWS Cloud Practitioner Essentials** – Amazon Web Services (AWS)
- **Oracle Cloud Infrastructure Certified AI Foundations Associate** – Oracle

ACHIEVEMENTS

- Finalist among top 50 teams in **SAARTHI '25**, a national-level IoT hackathon, for developing a functional accessibility system.
- Prototype submission finalist in **MariTHON**, an inter-college hackathon, demonstrating innovative and deployable solutions.
- Secured **Global Rank 234** in **Amazon ML Challenge 2025 | Amazon (Virtual)**.
- Solved over 200+ problems on **LeetCode**, demonstrating strong problem-solving and algorithmic skills.

LANGUAGES

- **English:** Professional Proficiency
- **Hindi:** Native Proficiency