

Ashutosh Rauthan

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Summary

B.Tech CSE (AI & ML) student with strong skills in **Python, C++, SQL, and Object-Oriented Programming**. Experienced in **Machine Learning, Deep Learning, and NLP** through projects involving scalable and secure systems. Familiar with **software development methodologies, accessibility, and inclusive design**. Certified in AI/ML by IBM and Google Cloud, with proven ability in teamwork, project management, and problem-solving. Seeking to contribute to Visa’s mission of secure digital payments and innovative financial technology.

Education

B.Tech in Computer Science and Engineering (AI & ML)	2023 – 2027
<i>Graphic Era Hill University, Dehradun</i>	<i>GPA: 8.27 / 10</i>
Senior Secondary (Class XII)	2023
<i>ICSNA Ghuttu Bhilang</i>	<i>78%</i>

Projects

- QuickRoll – Smart Attendance Management System** | *SwifUI, Logic design* **2025**
 - Developed a cross-platform solution for automated attendance with a focus on **scalability and reliability**.
 - Designed logical system architecture and implemented features to ensure efficient performance in real-time.
 - System successfully handled **200+ concurrent users**, reducing manual effort by **90%**.
- Briefify – AI-powered Audio Summarizer** | *Python, Hugging Face, NLP* **2025**
 - Built an AI solution for **speech-to-text transcription and summarization** using transformer models.
 - Improved summarization accuracy by **20%** through iterative model evaluation and tuning.
 - Deployed a web interface using **Streamlit**, ensuring usability and accessibility for end-users.
- Credit Card Customer Clustering** | *Python, Scikit-learn, EDA* **2025**
 - Applied **K-Means and DBSCAN clustering** on financial transaction data for customer segmentation.
 - Performed **exploratory data analysis** on 10+ financial features, identifying anomalies and spending clusters.
 - Validated clustering results using silhouette score (0.72), demonstrating robust insights for financial services.

Technical Skills

Programming Languages: C, C++, Python, SQL
Libraries/Frameworks: Scikit-learn, TensorFlow, PyTorch, NumPy, Pandas, Hugging Face, NLTK
Tools: Git, VS Code, IntelliJ, Jupyter Notebook, Anaconda
Core Competencies: Machine Learning, Deep Learning, NLP, Data Structures & Algorithms, Project Management, Collaboration

Achievements & Certifications

- Winner – Hack-0-Holic 3.0:** Secured 1st place in an inter-university hackathon.
- Top 10 – Tech Sprints (National Level):** Ranked among top finalists out of 500+ teams.
- Microsoft SEA 2025 Program:** Selected among top 100 students at my university and 1,500 students across India.
- IBM Certifications:** Building Generative AI-Powered Applications with Python, Machine Learning with Python.
- Google Cloud Certification:** Introduction to Generative AI.

Additional Information

- Strengths:** Innovative thinking, Problem-Solving, Collaborative, Communication, Continuous Learning
- Interests:** Artificial Intelligence, Applied ML, FinTech Applications, Generative AI, Secure Digital Payments