

RAJAT BISHT

SOFTWARE | CREATIVE
TECHNOLOGY

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SUMMARY

B.Tech Computer Science student specializing in Data Science, with a strong foundation in Object-Oriented Programming and Problem-Solving.
Experienced with Java, C, Python, and SQL, with hands-on exposure to game engines, embedded systems, and creative tools.

EDUCATION

2023 - 2027

DIT University,
Dehradun

Bachelor of Technology

Computer Science Engineering in Data Science
8 CGPA

SKILLS

- **Languages:** Java, Python, C, SQL
- **Libraries:** Pandas, NumPy, Matplotlib, Scikit-Learn
- **Tools:** Adobe Photoshop, Premiere Pro, Blender
- **Technologies:** Arduino, ESP32
- **Game Engines:** Unity, Godot

PROJECTS

AI-Driven Fraud Detection System | Python, Streamlit, Scikit-Learn

- Architected a real-time fraud engine using Random Forest, achieving 92% Recall on imbalanced financial data via SMOTE and cost-sensitive learning.
- Engineered geospatial features using Haversine Distance to detect location anomalies (e.g., transactions >500km from home) and deployed an interactive Streamlit dashboard.

ChromaEngine (Image Processing Engine) | Java, JavaFX, OOP

- Developed a high-performance, non-destructive image rendering application utilizing direct-memory bitwise operations on ARGB channels for real-time processing.
- Implemented custom 3x3 convolution matrices and spatial algorithms to automate and accelerate the visual asset pipeline for 2D pixel-art game development.

Wireless ESP32 Smart Car | Embedded C, IoT, Hardware

- First Prize Winner at Youthopia (DIT University) for engineering a wireless-controlled bot with superior navigation and motion stability.
- Programmed ESP32 firmware in Embedded C to integrate motor drivers and GPIO controls for real-time responsiveness.

CERTIFICATE

- **Programming Fundamentals** - Duke University
- **Introduction to Java** - LearnQuest
- **Database Management Essentials** - University of Colorado
- **Linux Fundamentals** - LearnQuest