Sushant Rana

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SUMMARY

AI/ML Engineer in training with hands-on experience in machine learning, computer vision, and Python-based automation. Proficient in Python, Java, and C++, with expertise in OpenCV, Mediapipe, scikit-learn, and deep learning frameworks. Built real-time AI systems achieving high accuracy in pose tracking and automation.

SKILLS

AI/ML & Data Science	:	Python, NumPy, Pandas, Matplotlib, scikit-learn, TensorFlow, PyTorch, OpenCV
Programming Languages	:	Java, python, C
Web Development	:	HTML, CSS, JavaScript, Bootstrap
Developer Tools	:	Git, VS Code, Jupyter, Anaconda
Soft skills	:	Problem-Solving, Logical Thinking, Adaptability, Continuous Learning
Languages	:	English, Hindi

EXPERIENCE

Java Developer | Bharat Intern | May 2024 - June 2024 | Roorkee

• Built microservices architecture with Java + Spring Boot, improving scalability by 50%

• Developed RESTful APIs, boosting data exchange efficiency by 30%

• Designed custom algorithms in Java, reducing computation overhead by 25%.

PROJECT

FIGHTCAM-MOTION CONTROL LINK

• Developed real-time gameplay automation tool using Mediapipe + OpenCV.
• Achieved 30 FPS pose tracking and 92% move prediction accuracy.
• Automated in-game actions via PyDirectInput based on ML-triggered logic.

Portfolio LINK

• Designed and built a personal website showcasing AI projects, research, and achievements.
• Demonstrates expertise in deep learning, data analysis, and building end-to-end ML solutions.
• Highlights real-world applications such as image classification, object detection, and model optimization

EDUCATION

B.Tech

COMPUTER SCIENCE • COER UNIVERSITY • Roorkee,Uttrakhand • 2026

Intermediate

PCM • SKYWARD SEN SEC PUBLIC SCHOOL • Roorkee,Uttrakhand • 2021

HIGH SCHOOL

SKYWARD SEN SEC PUBLIC SCHOOL • Roorkee,Uttrakhand • 2019

CERTIFICATIONS

JAVA   Link

HACKER RANK • 2023

ETHICAL HACKING   Link

INTERNSHALA • 2023

ACHIEVEMENT

HACKATRON QUALIFIER, IILM,GURUGRAM   APRIL 2025