

Gaurav Singh Bisht

Web Dev | Machine Learning | Cyber Security

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Third-year IT student at RAIT, Navi Mumbai, adept in Machine Learning, Web Development, Cyber Security, and Computer Networking.

Experience

Research intern at IIT Bombay

Jan 25- Ongoing

Indian Institute of Technology Bombay

- Working as research intern at Indian Institute of Technology Bombay, KCDH Dept. Currently working on data extraction and compilation.

Technical Chief

Aug 24- Ongoing

RAIT ACM Student Chapter

- Holding the position of technical chief at RAIT ACM SC, and international body that is responsible for conducting various events through it's tenure at university level.

SDE and Python Developer Intern

July 24- Oct 24

Sensix Tech Pvt. Ltd.

- Developed full-stack applications using Python, Django, React, and JavaScript for real-time solutions.
- Led the creation of real-time theft detection systems, integrating deep learning models (YOLOv5) into web-based applications.

Unity Developer

Dec 23 - Jan 24

RAIT-ACM

- Developed VR-based guided exercises using Unity and implemented them on Meta Oculus Quest 2, benefiting individuals with locomotive disabilities.

Naval Cadet

National Defence Academy

Jan 22- Sept 22

- Underwent rigorous military and academic training as a Naval Cadet in the prestigious National Defence Academy, Golf Squadron - 147th Course.

Education

RAIT Navi Mumbai

2022- Current

- B.Tech in Information Technology
- 9.05 SGPA

Skills

- Python Programming language
- Deep Learning Frameworks: PyTorch, Keras, TensorFlow,
- Data Processing: NumPy, Pandas, Scikit-learn
- Neural Network Architectures: CNNs, RNNs, YOLOv5
- Web Development (HTML, CSS, JS, React)
- Version Control: Git, GitHub, GitLab

Projects

- Real Time Theft Detection system using custom data set, OpenCV and YOLOv5.
- VR based guided exercises for elderly and people with locomotor disabilities, developed in unity, for Meta VR headsets (Oculus Quest 2/ Quest Pro) .
- Network anomaly detection and smart honeypot deployment, demonstrated on CISCO Packet Tracer

Major Certificates

- EC Council Ethical Hacking Essentials
- EC Council Network Defense Essentials
- Data Structures and OOP with C++
- Unity 3D and AR-VR Fundamentals

Competitions

- 1st Position in RAIT AR/VR internship project for winter internship 2023
- 2nd Position in National Level Coding Competition Technothon 2023 (RAIT-ACM, Navi Mumbai)
- Participated in National Level Hackathon Techathon 2024 (AISSMS, Pune)