

# RAKSHIT RAUTELA

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## EDUCATION

**Graphic Era Hill University** Dehradun, India  
*Bachelor of Technology in Computer Science and Engineering* Aug. 2021 – May 2025

## EXPERIENCE

**Software Engineer Intern** June 2024 – August 2024  
*Lending Buddha* Remote, Noida, IN

- Fixed bugs and added features to REST APIs, enhancing system performance.
- Achieved 96% test coverage with comprehensive unit tests.
- Developed a REST API with Flask and PostgreSQL for efficient LMS data management.

## PROJECTS

**UnityDocs** | *Java, Azure, Spring Boot, WebSocket, PostgreSQL, Jenkins* [View Project](#)

- Developed secure document management with JWT authentication for data integrity
- Built a versatile REST API, enabling seamless client-server communication and version control
- Implemented CI/CD pipeline using Jenkins for automated deployment.

**Online Code Editor** | *ReactJS, NodeJS, MongoDB, Docker, AWS* [View Project](#)

- Built an online code editor supporting multiple languages
- Ensured efficient and secure program execution within a safe environment.
- Deployed as a Docker container on Amazon EC2 with AWS services

**BERT-Powered QnA Extension** | *NLP, Deep Learning, Python, BERT, Large Language Model* [View Project](#)

- Created a Chrome extension using NLP techniques and Google BERT
- Extracted webpage content to provide quick answers to user queries
- Developed data pipeline for cleaning, collecting, and processing data

**PixelVision** | *Python, Machine Learning, Django, Docker, AWS* [View Project](#)

- Engineered a web app for automated medical image classification
- Constructed an efficient algorithm to integrate multiple models, boosting performance
- Deployed on AWS using Gunicorn and Nginx

## TECHNICAL SKILLS

**Languages:** Java, Python, Go, SQL, Bash, C/C++ , HTML/CSS, JavaScript  
**Frameworks:** React, NodeJS, Django, Spring Boot, PyTorch, TensorFlow  
**Databases:** MongoDB, MySQL, PostgreSQL  
**Tools & Platforms:** Git, Github, Microsoft Azure, Amazon AWS, Docker, Nginx, Jenkins  
**Other Skills:** Linux, NLP, CI/CD, DevOps, Web App Security

## ACHIEVEMENTS

**Bug Bounty (Web Application Security)** | *Web Application Pentesting - [Hackerone Profile](#)*

- Identified vulnerabilities affecting web applications and contributed to their security

**Deep Learning-Based IoT Malware Detection Using CNN and Transfer Learning: A Comparative Study** [IEEE](#)

- Researched IoT malware with deep learning (VGG16), enhancing IoT security.