

Contact

Phone

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Email

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Portfolio

<https://r0ckyr.github.io/>

Github

<https://github.com/r0ckYr>

Education

2021-2025

B.Tech, Computer Science

Graphic Era Hill University

Skills

- Web Development
- DevOps
- Linux
- Artificial Intelligence
- Cloud Computing
- Web Application Security
- MERN Stack
- Spring Boot
- Java
- Python
- Networking
- API Development

Language

English

Hindi

Rakshit Rautela

Software Engineer

Computer Science student with a focus on problem-solving and creativity. I work well in collaborative environments and prioritize continuous learning and growth. I have strong proficiency in Java, Python, and JavaScript, experience with frameworks like Spring Boot, React and Django and tools such as Git, Docker, and various cloud platforms. I actively contribute to bug bounty programs, identifying vulnerabilities in web applications to enhance their security.

Projects

UnityDocs

[View Project](#)

Java, Azure, Spring Boot, WebSocket, PostgreSQL, Jenkins

- Developed secure document management application.
- Built a versatile REST API, enabling client-server communication and version control
- Enabled real-time collaboration using WebSocket
- Implemented CI/CD pipeline using Jenkins for automated deployment.

Online Code Editor

[View Project](#)

ReactJS, NodeJS, MongoDB, Docker, AWS

- Built an online code editor supporting multiple languages
- Ensured efficient and secure program execution within a safe environment.
- Added code optimization metrics, tracking compilation, execution, and resources usage.
- Deployed as a Docker container on Amazon EC2 with AWS services

BERT-Powered QnA Extension

[View Project](#)

NLP, Deep Learning, Python, BERT, Large Language Model

- 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
- Implemented real-time natural language processing for improving user interactions

PixelVision

[View Project](#)

Python, Machine Learning, Django, Docker, AWS

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

Achievements

Bug Bounty (Web Application Security)

[Hackerone](#)

Engaged in bug bounty programs, identifying and resolving vulnerabilities in web applications, contributing to overall security enhancements.

IoT Malware Detection Using Transfer Learning (Research)

Studied IoT malware analysis using deep learning and VGG16 classification, advancing IoT security methods.