

Pratham Shrivastava

Bachelor of Technology
Shri Ramdeobaba College of Engineering and Management, Nagpur

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EDUCATION

- **Bachelor of Technology in Computer Science and Engineering(Cyber Security)** 2021-25
Shri Ramdeobaba College of Engineering and Management, Nagpur CGPA: 7.67

PERSONAL PROJECTS

- **Machine learning approach for protection of DDoS attack in cloud environment**
This project improves DDoS attack detection in cloud environments by integrating Random Forest and KNN algorithms. ,
It aims to enhance detection accuracy and provide proactive defense to secure digital interactions.
 - Successfully integrated Random Forest and KNN algorithms to create a hybrid model for detecting DDoS attacks in cloud environments.
 - Optimized data privacy and secured digital interactions in cloud-based services.
 - Technology Used: Python, Machine Learning.
- **ObscuraCrypt (AI Image Processing Tool)**
Tool that detects any important documents present in the images, extracts text using. OCR (Optical Character Recognition). ,
encrypts the extracted text, and masks it with blurring to prevent information leaks.
 - Lead a team of 5 and Developed AI-powered image processing tool
 - Used hybrid encryption to create high order security.
 - Technology Used: Python, cryptography, Machine Learning, Image processing.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, GO, HTML+CSS
Cloud/Databases: Basic Relational Database(mysql), AWS Cloud
Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering, Basics of Ethical Hacking.
Areas of Interest: DSA, Coding, Cyber Security, CTF, Ethical Hacking, Development.
Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

EXPERIENCE

- **Zscaler Zero Trust Certified Associate (ZTCA) certification** Oct 2023 - 2024
AICTE-Eduskills Online
 - Learned how to implement zero trust security principles to protect networks and data.
 - I learned to verify identities, control access, and enforce security policies effectively.
- **AWS Cloud Virtual Internship** May - July 2023
AICTE-Eduskills Online
 - Understanding of AWS cloud computing services, including EC2, S3, RDS, Lambda, IAM, VPC, and more.
 - Designing, deploying, and managing fault-tolerant, highly available, and scalable AWS solutions.
 - knowledge of architectural best practices, such as AWS Well-Architected Framework, security, performance, and cost optimization.
 - Hands-on experience in cloud infrastructure provisioning, monitoring, and automation using AWS Management Console and AWS CLI.
- **Palo Alto Cybersecurity Virtual Internship** Dec 2022 - Feb 2023
AICTE-Eduskills Online
 - Learned the fundamentals of Security Operations Center (SOC).
 - Learned basics of Network & Cloud Security.

POSITIONS OF RESPONSIBILITY

- **Design and Develop Front End** Aarhant Cyber Week Event - RCOEM, Nagpur Oct - Dec 2023
 - Helped design and develop (Front End) website portal for CTF event.
 - Designed coding questions for cyber hunt event.