

SOURABH GORAI

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Education

Bharati Vidyapeeth College of Engineering, Pune

Bachelor of Technology in Information Technology - 8.91 CGPA

Aug. 2022 – June 2026

Pune, Maharashtra

Experience

Center for Development of Advanced Computing, Pune

May 2025 – August 2025

Cyber Security Intern

Pune, Maharashtra

- Deployed and configured Cowrie honeypot to simulate SSH and Telnet services, capturing malicious traffic and attacker behavior for threat analysis.
- Integrated Zeek (formerly Bro) for real-time network traffic monitoring and deep packet inspection, enhancing situational awareness of network threats.
- Developed and maintained custom logging pipelines to collect, parse, and store security event logs for centralized analysis.
- Documented findings and assisted in improving threat detection strategies, contributing to research on deception-based cyber defense.

Projects

Efficient Data Compression Tool using Huffman Encoding | Java

- Built a Java-based utility for compressing and decompressing files using the Huffman Coding Algorithm.
- Optimized to handle files up to 500MB with minimal memory usage and fast, lossless performance.
- Designed for practical applications like data archival and efficient file transfer.

Comprehensive Tour Management Desktop Application | Java, Java Swing, MySQL

- Developed a Java Swing desktop application for managing travel bookings, customer records, and packages.
- Implemented core features including destination management, itinerary planning, booking, and payment processing.
- Used MySQL for efficient data handling and designed an intuitive GUI to enhance user experience.

Isolated Application Deployment on Azure with Docker and VNet | Azure VM, Docker, Azure Bastion, Virtual Network

- Deployed a containerized application on Azure VM by pulling it from GitHub and running it with Docker.
- Created a Virtual Network (VNet) with NSG-based access controls to securely isolate the deployment environment.
- Used Azure Bastion for secure, browser-based SSH access without exposing public IPs.

Certifications

Distributed Systems (NPTEL)

Database Management System (NPTEL)

Technical Skills

Languages: C, C++, Java, Java Swing, HTML/CSS, JavaScript, SQL, MongoDB, Bash, Java SpringBoot

Developer Tools: VS Code, Eclipse, AWS, Azure, IntelliJ Idea

Technologies/Frameworks: Linux, Docker, Jenkins, GitHub

Leadership / Extracurricular

ITSA

September 2023 – June 2024

Co-ordinator

Bharati Vidyapeeth College of Engineering, Pune

- Led the creative planning and execution of various technical and cultural events, contributing to branding, design, and overall event management within the college

SIH (Smart India Hackathon)

2023

Team-Lead

Bharati Vidyapeeth College of Engineering, Pune

- Proposed an idea of Java Swing-based desktop app for doctors to manage patient records and appointments offline.
Skill set: Java, swing, docker, Jenkins, kubernetes, Pandas, Numpy

Deloitte Australia Technology Job Simulation on Forage

June 2025

- Completed a job simulation involving development and coding.
- Wrote a proposal for creating a dashboard.