

MANDVI BHADOURIYA

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WORK EXPERIENCE

Software Development Intern, LG Soft India

Jun 2024 - Present

- Developed scalable webOS applications using C++ and Qt/QML, enhancing user experience for over 10 million users through object-oriented architecture.
- Resolved 50+ issue logs by optimizing business logic and data structures, improving system performance by 20%.
- Engineered backward-compatible features such as screen magnification across webOS versions 25 to 23 for scalable deployment.
- Implemented critical features including mic indicators, screen zoom touch support, Luna API for volume control, and volume UI for demo mode.
- Analyzed memory and CPU consumption of applications to support performance benchmarking and delivered tasks within deadlines while collaborating on documentation to boost team efficiency by 15%.

SKILLS

Programming Languages : Java (including Java 8), C++

Frameworks & Libraries : Spring Boot, Qt/QML

Cloud & DevOps Tools : AWS (basic), Jenkins, Git

Databases : MongoDB, MySQL

Cybersecurity Tools : Nmap, Burp Suite, Wireshark, Metasploit, Nessus, OWASP ZAP

Core Concepts : Object-Oriented Programming (OOP), Multithreading, REST APIs

PROJECTS

Optimized Virtualized Storage Security, [Link](#)

Aug 2023 - Nov 2023

- Designed object-oriented Python models for scalable storage, reducing data breach risks by 90% using advanced algorithms and Fernet encryption.
- Built a customer-centric GUI using socket programming, cutting manual errors by 80% and enhancing logic for large-scale systems.
- Documented technical workflows to ensure coding standard compliance and team scalability.

StegImage – Web-Based Steganography Tool, [Link](#)

Sep 2021 - Mar 2022

- Developed a scalable web application using JavaScript, Node.js, and Django with 95% accuracy in data embedding through advanced algorithms.
- Designed a responsive frontend using HTML/CSS and implemented robust backend logic for scalability and improved UX.
- Engineered algorithms for secure data concealment and produced detailed technical documentation.

AWARDS & ACHIEVEMENTS

Best Project – Technology Excellence, LG Soft India

Mar 2025

Awarded for outstanding contribution to the Compositor module enhancing accessibility features during internship.

Full Scholarship under STARS Scheme, VIT Bhopal University

Jul 2020

Secured full scholarship for undergraduate studies based on academic excellence.

EDUCATION

VIT Bhopal University, Bhopal, India - Integrated M.Tech, Computer Science and Engineering
Specialization in Cyber Security-GPA: 8.88

Jul 2020 - Present

Completed cybersecurity coursework and led projects on encrypted storage and steganography with up to 95% accuracy.

Govt. Excellence H.S.S. No.1, Bhind, India - Class XII (Senior Secondary) - GPA: 9.85

Mar 2018 - Mar 2020

Academic Topper in Science stream with 93.6% marks.

Agrawal Vidhya Mandir H.S. School, Bhind, India - Class X (Secondary) - GPA: 9.96

Mar 2016 - Mar 2018

Ranked in top 1% at district level with distinction in all subjects

CERTIFICATIONS

Certified Ethical Hacker (Practical), EC-Council

Mar 2023