

# SHIVA MANI K

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## EDUCATION

**Dayananda Sagar College of Engineering, Bengaluru**

**Dec. 2021 – Sep. 2025**

*Bachelor of Engineering in Computer Science*

*CGPA: 9.13*

## EXPERIENCE

**Cognizant**

**Mar. 2024 – Nov. 2024**

*Technical Project Intern*

*Remote*

- Collaborated in a 9-member team to create a security tool that reduced post-launch vulnerabilities by 40% and improved system integrity.
- Led client meetings to gather requirements and provide progress updates, while optimizing testing and scanning processes. Reduced scan time by 20% and automated the generation of actionable security reports for users.

## TECHNICAL SKILLS

**Programming:** C++, Java, Python, Kotlin, JavaScript

**Developers Tools:** Android Studio, VS Code, Eclipse

**Databases:** MongoDB, MySQL, Firebase

**Version Control:** Git, GitHub

**Frontend Development:** HTML, CSS, XML, Tailwind CSS, Figma

## PROJECTS

**ScanX - Regex-Based Artifact Scanner** | *React, MongoDB, Splunk*

- Engineered Scanx, a robust artifact scanner using React for the frontend, enabling regex-based scanning across local directories, GitHub repositories, and Splunk environments to detect and mitigate sensitive data exposure, enhancing data security.
- Integrated Mistral AI API to provide intelligent regex pattern suggestions based on project types, and implemented real-time scanning with Splunk integration to monitor logs, dynamic data streams, and automatically generate detailed scan reports for enhanced operational efficiency.
- Built a scalable multi-tier user management system with Personal, Manager/Team, and Enterprise/Admin account types, enabling granular control over scan permissions, access levels, and user roles, ensuring robust security and flexible access control.

**DevCanvas - Automated Software Documentation Tool** | *React, Django*

- Created DevCanvas, a tool for generating software documentation (Class Diagrams, Sequence Diagrams, Flowcharts, Summaries) for Python and Java in three simple steps: Upload, Select, Generate.
- Used Abstract Syntax Trees (AST), PlantUML, and Google's GenAI API to automate accurate, structured documentation generation, enhancing tool efficiency.
- Developed a full-stack app with React (frontend) and Django (backend), implementing secure email-based authentication for managing and downloading documentation.

**Face Detection-app** | *Java, Android Studio*

- Built an Android application leveraging Firebase ML Kit for real-time face detection, significantly improving user engagement through instant feedback and enhanced data visualization.
- Implemented Firebase for efficient data storage, management, and retrieval, ensuring seamless app performance and scalability.
- Created an intuitive, accessible UI using Android Studio's layout editor, enhancing user interaction and overall app experience.

## AWARDS AND INITIATIVES

- Won the **Best Innovative Project Award** at the Final Year Project Open Day 2024, organized by the Department of CSE, Dayananda Sagar College of Engineering.
- 1st Place in Technical Poster Presentation, Dept. of CSE, Dayananda Sagar College of Engineering.
- Spearheaded the organization of three major coding competitions for the Dept. of CSE, resulting in a 40% increase in student participation and engagement compared to previous events held during the academic year.