

# HEMA CHANDRA

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## SUMMARY

Software Developer with experience in building secure, high-performance systems for enterprise environments. Proficient in Python, C#, and Linux, with strong skills in system security and full-cycle development. Quick to learn new technologies and deliver scalable, secure software.

## TECHNICAL SKILLS

Python | C# | C++ | C | Ansible Automation | Locust | Git | .Net Core | API | MySQL | Microsoft SQL Server | SQLite | Postman | Unix like OS | Linux | Bash | Visual Studio | Visual Studio Code

## PROFESSIONAL EXPERIENCE

**SOFTWARE DEVELOPER** | Arcon Tech Solutions | Mumbai, India

Jul 2023 – Jul 2025

Developed and integrated enterprise-level security solutions for Unix-like systems and cloud-based environments as part of the R&D team, focusing on innovation and secure infrastructure.

### Endpoint Privilege Management (EPM)

- Contributed to the development of the EPM solution for Unix-like systems (RHEL, Solaris, AIX), implementing critical features such as unauthorized command restriction, privilege elevation for specific tasks, command logging, command whitelisting, and file integrity monitoring.
- Created a custom shell using python to integrate these capabilities, enhancing overall security and reducing the risk of unauthorized command execution by 95%.

### Digital Rights Management (DRM)

- Developed a high-security DRM project in C# .Net Core, integrating proprietary cloud storage solutions with enhanced data protection and usability, ensuring secure file storage both in the cloud and on local devices.

### Knight Analytics

- Played a key role in the development and deployment of Knight Analytics, a system designed to analyze user behavior patterns and detect anomalies. Contributed to troubleshooting and optimizing deployment processes to ensure smooth system integration and peak performance.

### Innovation and Security Development in R&D

- Served as a member of the Research & Development (R&D) team, developing innovative Proof of Concepts (POCs) and presenting demos to showcase new technologies and solutions.
- For example, implemented a Cassandra proxy database that decodes the Cassandra protocol to filter and validate queries before they reach the database, improving security and efficiency.
- Developed security solutions and collaborated with cross-functional teams to integrate them into multiple projects, significantly enhancing overall system security. One such solution involved designing and implementing an encryption mechanism to secure communication between APIs and clients, ensuring data confidentiality and integrity.

**SOFTWARE DEVELOPER INTERN** | Arcon Tech Solutions | Mumbai, India

Jan 2023 – Jun 2023

### Technology Adaptation & Growth

- Quickly adapted to new technologies and tools, contributing to various projects in the R&D team, resulting in a 30% improvement in skills and gaining comprehensive full-cycle software development experience.

### Privileged Access Management (PAM)

- Enhanced PAM solution's logging system, increasing logging efficiency by 80% through a dynamic log level selector, resulting in 40% reduction in debugging time while protecting critical information.

## EDUCATION

**BACHELOR'S DEGREE** | Computer Science and Engineering | Vellore Institute of Technology AP | CGPA - 8.57

2019 – 2023