HONEY SREE CHENNAMSETTY

Contact

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Education

08/23 - 06/25
Master's in Software Engineering
Blekinge Institute of Technology | Sweden

08/21 - 06/22
Bachelor's in Computer Science
Blekinge Institute of Technology | Sweden

07/18 - 08/21
Bachelor's in Computer Science
Sri Padmavathi Mahila Visvavidyalayam | India

Technical Skills

Programming Languages: Python, C, C++ , Java, JavaScript, Bash, .NET

Infrastructure: Kubernetes, Docker, Terraform, Ansible, VMWare, Nutanix

Operating System: RedHat Linux, Solaris, Windows Server

Cloud Technologies: AWS (EC2, VPC, IAM, S3), Azure, GCP

DevOps and Automation: Jenkins, GitHub Actions, GitLab CI/CD

Development Methodologies & Other: Agile Environment, Automated Testing, DevOps Practices, CI/CD methodologies, JIRA, Linux.

Objective

"Software Engineer with a Master's degree in Software Engineering and experience across Python development, DevOps practices, and cloud platforms. Successfully reduced infrastructure costs by 20and real-time monitoring during my internship at Ericsson. Completed a research thesis on coordination effectiveness in Distributed Agile Software Development (DASD) with a focus on task, knowledge, and resource dependencies. Passionate about designing scalable systems and driving process improvements."

Experience

R&D Summer Intern
June 2024 – Oct 2024
Ericsson - Stockholm, Sweden

- Designed infrastructure monitoring strategy with Grafana to optimize system health.
- Automated provisioning and decommissioning workflows using Python & shell scripting.
- Participated in cloud infrastructure performance tuning and cost optimization.

Frontend Developer
Sep 2022 – Nov 2022
Devtown Training Program - India

- Designed and implemented a university website with a user-friendly interface and enhanced functionality.
- Optimized layouts to improve accessibility and user experience.
- Structured content to facilitate effective communication.

Achivements

- Reduced manual intervention by 40% and improved infrastructure efficiency through innovative automation solutions.
- Designed scalable cloud-based applications for better resource utilization and performance.

Thesis & Research

Coordination in Distributed Agile Teams | Semi-Structured Interviews, Thematic Analysis, Coordination Theory

- Investigated how task, knowledge, and resource dependencies impact collaboration in distributed Agile teams.
- Interviewed professionals across industries and time zones to identify real-world coordination challenges.
- Proposed strategies such as dependency mapping, structured Agile rituals, and improved tooling practices.

Overleaf vs CoCalc: A Usability Comparison | Survey Evaluation, Usability Heuristics

- Compared collaborative LaTeX editors using user surveys and heuristic evaluation.
- Assessed efficiency, usability, and feature accessibility for academic writing.
- Recommended the more effective tool based on empirical findings.

Projects

COVID-19 Simulation | Python, Markov Chains, Data Visualization

- Designed and implemented a simulation model using Python to analyze the societal impact of public health data.
- Presented insights through interactive visualizations.

Continuous Integration Environment | Jenkins, Selenium, Software Testing

- Configured automated testing and delivery pipelines, generating detailed reports for stakeholders.

Disease Spread Module | WEKA, Statistical Analysis, Data Visualization

- Developed a disease awareness platform with statistical analysis and interactive visual insights.

Here's the Drink | Mobile Application Development, Usability Design

- Designed an application to check the availability of products without requiring user sign-ins or subscriptions.
- Focused on guiding and availability checks of products for customer convenience.

Course Work

Evaluated the maintainability of Jabref Software using a GQM based empirical study

- Developed a Goal-Question-Metric based measurement framework and conducted an empirical investigation by choosing relevant metrics to evaluate software maintainability of Jabref Software.

Maze Problem using Search Algorithms & Genetic Algorithms

- Created an AI application for solving Maze Problem using Genetic algorithm, and search algorithms such as Depth-First Search and Breadth-First Search.

Contributed towards HomeAssistant Open-Source Project

- Identified code smells using SonarQube in HomeAssistant codebase and refactored them.
- Added new features to Open Exchange Rates integration by implementing a currency calculator and widget for displaying history to HomeAssistant.