

# YASWANTH NAGA MAHESH NANDIGAM

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## SUMMARY

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As a Software Engineer, I am seeking a challenging and dynamic career which supports my professional self-development and allows me to forward the aims of the organization by providing key skills and contributions to achieve goals and targets.

## EDUCATION

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Illinois Institute of Technology, Chicago, IL  
**Master of Science, Computer Science**, GPA, 4.0

Jan 2023 – Dec 2024

## SKILLS

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- **Programming Languages:** C, C++, Java, Python, C#
- **DevOps Tools:** Docker, Kubernetes, Jenkins, Git
- **Frameworks:** Spring, Entity Framework, ASP.NET
- **Web Technologies:** HTML, CSS, JavaScript, React, Django, Angular, Bootstrap
- **Databases:** MYSQL, MongoDB, PostgreSQL, EdgeDB
- **Cloud Platforms:** GCP, Microsoft Azure, AWS

## WORK EXPERIENCE

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### SOFTWARE ENGINEER I

NCR Corporation, Hyderabad, India

JAN 2020 – DEC 2022

- Successfully implemented a POC for Cross-Site Request Forgery (CSRF) and effectively mitigated it within the project using anti-CSRF tokens.
- Enhanced the security of APIs by implementing robust Authentication and Authorization mechanisms, ensuring secure access and data integrity.
- Designed and implemented new agents for customers to effortlessly deploy all offers meeting their requirements, thus optimizing effort and time utilization.
- Implemented access keys for software-to-software authentication using shared / secret keys.
- Managed and orchestrated Jenkins jobs associated with all project components, ensuring smooth coordination and release of new versions.
- Conducted strategic indexing on crucial database columns, drastically reducing response times for key queries and operations.
- Implemented Multi-Tenancy system for AMS to support multiple retailers with a single deployment, reducing Virtual Machine, environment, and maintenance costs significantly.

## PROJECT EXPERIENCE

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### Academic Nexus:

- Created a Django web app for efficiently managing student and college records, with seamless on-demand addition of colleges and students.
- Implemented robust user authentication and authorization, with permissions for data manipulation to ensure integrity and security.

### File System Implementation using C:

- Designed and implemented a C-based file system to mitigate internal and external fragmentation. Implemented caching and metadata storage strategies for enhanced data retrieval speed.
- Utilized dynamic block allocation to optimize space utilization.

## PROJECT EXPERIENCE

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- **Team Player:** Received NCR 'Insta Award' for my contribution to the project.
- **Leadership:** Explained many concepts for students in JAVA, Spring and Programming languages.