

# SURABHI NANDINI

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GitHub: [github.com/surabhinandini](https://github.com/surabhinandini)

LeetCode: [leetcode.com/u/Nandini\\_Surabhi](https://leetcode.com/u/Nandini_Surabhi)

Portfolio: [my-portfolio-gl0wewdfg-surabhi-nandinis-projects.vercel.app](https://my-portfolio-gl0wewdfg-surabhi-nandinis-projects.vercel.app)

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## Profile Summary

Engineer skilled in frontend (React, HTML, CSS, Bootstrap), backend (Java, Spring Boot, Python, REST APIs), and cloud/DevOps (AWS, Docker, Jenkins, CI/CD, Linux, Shell scripting). Experienced in building scalable applications, automating deployments, and ensuring system reliability. Strong problem-solving skills and passion for learning emerging technologies.

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## Education

- Bachelor of Technology in Computer Science and Engineering – DRK Institute of Science & Technology , Bowrampet, Hyderabad | 2021–2025 | CGPA: 6.97
- Intermediate (MPC) – Sri Chaitanya Junior College | 2019–2021 | GPA: 6.8
- Secondary School Certificate (SSC) – NSKK High School | 2018–2019 | GPA: 8.7

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## Technical Skills

- **Frontend:** HTML, CSS, Bootstrap, React
- **Backend:** Java, Spring Boot, Python, REST APIs
- **Cloud & DevOps:** AWS, Docker, CI/CD, Jenkins, Linux, Shell Scripting, Git
- **Database:** MySQL
- **Tools:** GitHub, Eclipse, Postman, VS Code

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## Projects

### 1 [Cloud Resource Autoscaler](#)

- Tech Stack: Flask, React
- Developed an auto-scaler predicting workload and dynamically adjusting resource allocation.
- Designed logic for scalability, integrated into cloud environments for optimized performance and cost efficiency.

### 2 [AI-Based Cloud Job Failure Prediction](#)

- Tech Stack: Spring Boot, ML, Google Cluster Trace Data
- Built ML pipeline predicting job failures with 82% accuracy.
- Deployed results through a Spring Boot dashboard with potential for cloud hosting.

### 3 [Secure Cloud Deduplication](#)

- Tech Stack: Python, Bloom Filters
- Implemented secure data deduplication with dynamic rekeying to enhance storage efficiency.
- Designed to be compatible with cloud storage systems.

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## Certifications

- AWS Solutions Architecture – Forage – [Certificate](#)
- Web Development (HTML, CSS, JS, Bootstrap, React) – Udemy – [Certificate](#)
- Responsive Web Design – freeCodeCamp – [Certificate](#)
- Python for Beginners – Simplilearn – [Certificate](#)
- Front End Development – Reliance Foundation – [Certificate](#)

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## Achievements

- Participated in 36-hour national AgriTech Hackathon; built IoT-based crop monitoring system with backend API integration. – [Credential](#)
- Solved 500+ difficulty-rated problems in Java and Python on CodeChef – [Certificate](#)