

Rangu Nandeshwar Goud

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<https://github.com/Nandeshwar-Goud>

Job Title: SDE Intern | Software Developer

Summary

Computer Science student skilled in Java, Python, and backend development with hands-on experience building scalable full-stack applications. Strong foundation in DSA, OOP, operating systems, and REST API design. Demonstrated ability to deliver reliable features in agile environments and improve system performance, latency, and code quality.

Technical Skills

Languages: Java, Python, JavaScript, C++

Backend: Node.js, Express.js, Django, REST APIs

Frontend: React, HTML5, CSS3, Tailwind

Databases: MongoDB, MySQL, Oracle

Tools: Git, VS Code, Postman, Jupyter, WebSockets

Core Skills: OOP, SDLC, DSA (Trees, Graphs, DP), Debugging, Version Control

Experience

Cyber Security Intern, InternPro

2025-06 – 2025-07

- Performed vulnerability assessments and system diagnostics across internal infrastructure, identifying and documenting 12+ security gaps.
- Automated routine troubleshooting scripts, decreasing average incident resolution time by **28%**.
- Improved system reliability by implementing log-based error detection, reducing repeated system faults by **15%**.

MERN Stack Intern, EY Global Delivery Services

2024-12 – 2025-01

- Developed backend APIs using Node.js/Express and optimized database queries, improving API response times by **35%**.
- Built modular React components and enhanced UI rendering, reducing frontend load time by **20%**.
- Added validation and error-handling flows, lowering API failure rates by **22%**.
- Followed agile methodology with daily standups, contributing high-quality code with **95%** lint/test pass rate.

Projects

Code Collab — Real-Time Collaborative Code Editor

<https://github.com/Nandeshwar-Goud/codecollab>

- Built a real-time collaborative editor using WebSockets, Node.js, and MongoDB enabling multi-user live editing.
- Designed a lightweight synchronization engine achieving average latency under **90 ms**.
- Stress-tested prototype supporting **20 concurrent users** with consistent state management.

Breast Cancer Analysis — ML + Django

<https://github.com/Nandeshwar-Goud/Breast-Cancer-Analysis>

- Integrated a KNN machine learning model into a Django-based web interface for medical risk prediction.
- Achieved **93% model accuracy** using cross-validation and feature normalization.
- Built a clean user workflow to input parameters and display prediction results with confidence values.

Musix — Music Preview App

<https://github.com/Nandeshwar-Goud/Musix>

- Used iTunes API to fetch metadata and audio previews; optimized caching to reduce redundant network requests by **40%**.
- Implemented search UI and improved filtering logic for faster track lookup.

Billing GUI — Desktop App (Tkinter)

<https://github.com/Nandeshwar-Goud/Billing-Gui-software-with-pyhton>

- Built a billing system with automated tax calculation and printable receipts using Python/Tkinter.
- Reduced data-entry effort by **25%** with input validation and keyboard shortcuts.

Education

Vardhaman College of Engineering, Hyderabad

2023 – 2027

B.Tech in Computer Science and Engineering — CGPA: 8.95

Sri Chaitanya Junior College

2021 – 2023

Intermediate (MPC) — 97.7%

Telangana State Model School

2021

SSC — CGPA: 10.0

Certifications

Cisco — Networking Basics (2025)

Infosys Springboard — Front-End Web Developer (2025)

HackerRank — Java (2025)

MongoDB University — MongoDB Basics (2025)