

# Rangu Nandeshwar Goud

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**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)