

# Gunesh Nagothi

✉ nagothigunesh23@gmail.com ☎ 9292558565 📍 Visakhapatnam,India 🗣 guna9292 📅 05-07-2004 🌐 Gunesh Nagothi  
🔗 nagothigunesh

## 🎓 EDUCATION

- Bachelor of Technology in Information Technology,** 2021 – 2025 | Visakhapatnam, India  
*Anil Neerukonda Institute of Technology and Sciences*  
CGPA: 9.81
- Intermediate Education in MPC, Sri Chaitanya Junior College** 2019 – 2021 | Visakhapatnam, India  
Percentage : 96.8
- Class X, Bhashyam School** 2019 | Visakhapatnam, India  
GPA :10.0

## 💼 PROFESSIONAL EXPERIENCE

- Research Intern at NIT Rourkela,, Under the guidance of Prof. Sanjeev Patel** 📄 05-2024 – 07-2024 | Rourkela, India  
**Energy-Aware Virtual Machine Placement Project using Cloudsim 3.0.3**
- Developed and implemented an innovative VM allocation and migration technique leveraging 3D Bin Packing and Deep Reinforcement Learning using Cloudsim 3.0.3.
  - The VM allocation and migration technique optimized energy consumption by approximately 43% compared to classical Binpacking.
  - Demonstrated significant improvements in resource utilization and efficiency.

## 📜 CERTIFICATES

- Cloud Practitioner Essentials** 📄 — AWS
- Linux Command Line Arsenal** 📄 — Udemy , Troubleshooting Ubuntu(Linux distro) with CLI.
- AWS Workshop** 📄 — IIT Bombay in collaboration with JNTUK
- Google Professional Cyber Security** 📄 — Coursera
- AWS Solutions Architect Job Simulation** 📄 — Forage

## 📁 PROJECTS

- Biomedical Lab Companion, Streamlit PyPDF2 Langchain GoogleGeminiAPI** 📄
- Allows users to interact with PDF documents using generative AI.
  - Extracts text from PDFs, generates embeddings, and provides a conversational interface for querying the document with 84% better user engagement.
  - Enhanced my collaboration with cross-functional teams.
- FoodFinder: Zomato Clone, MongoDB, Node.js, Express.js, React, Pymongo, JSON** 📄
- Implemented Docker Compose and Memcached, significantly reducing system latency and improving response times upto 60%, by quick caching mechanisms.
  - Designed and deployed a full-stack application with multi-container orchestration, ensuring efficient resource management and scalability.
- NAS, Raspberry Pi**
- Designed and configured a Network-Attached Storage (NAS) system using Raspberry Pi 4 and external USB storage devices.
  - Providing a cost-effective and accessible solution for centralized data storage and backups-thus mostly, my own cloud storage.

## 🧠 HARD-SKILLS

- Programming Languages -** — Java, C, Python
- Frameworks & Libraries** — MySQL, HTML, CSS, NodeJS, ExpressJS, MongoDB, AWT, Swing, JDBC
- Version Control & Developer Tools** — Git, GitHub, VSCode, Vi&Vim
- Operating Systems & Networking** — Linux(Ubuntu & CentOS), Windows, TCP/IP, DNS
- Other Tools** — Postman, Docker, Figma

## 🏆 ACHIEVEMENTS

- Finalists in V-Launch Annual Business Pitching event 2024 at VIT Amaravati by a software project 'Doc-in'.
- Achieved 1st position in the Entrepreneurship Club's Market Mario and Startup Symposium events for innovative ideas in Radian fest 2k24.
- Three consecutive semesters with a 10.0 SGPA highlights my steadfast dedication to academic excellence and been the college topper.
- Solved 300+ problems on Leetcode and GFG.Conducted 2 workshops on Competetive programming engaging more than 100 members as Coding Ninjas Tech-lead,ANITS.

## 📚 COURSE-WORK

- Operating Systems || Database Management Systems
- Computer Networks || Object Oriented Programming

## 🧩 SOFT-SKILLS

| Self-Starter | Organised | Avid-Learner | Time-Management | Good-Communication | Strong-Leadership | Flexible & Adaptable |