

V Naga Venkata Neeraj

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EDUCATION

RVR and JC College of Engineering
Computer Science and Engineering (CGPA: 9.4/10)
TECHNICAL SKILLS

Guntur, Andhra Pradesh
2021 - 2025

Programming Languages: Java, Python, C, C#, Javascript, Angular
Database: SQL, MongoDB, Oracle
Cloud: AWS, Azure, GCP, Docker, Linux, GitHub Actions (CI/CD)
Frameworks & Tools: Jira, .NET (basic), Spring Boot, Selenium
Software Practices: Agile Methodologies, SDLC, Unit Testing, API Documentation

WORK EXPERIENCE

Full Stack Developer Intern - [Team Lead]

Magnum Wings Pvt Ltd, India

Jan 2025 - Jun 2025

- Built a personalized desktop tooling suite (.NET) in C# to interact with UAVs via the **MavLink protocol** and **enabling fault-tolerant real-time mission planning and scalable data pipelines**.
- Implemented **secure configuration management with key-based authentication** and collaborated with a cross-functional team to review designs and code for reliability and performance.
- Followed agile practices, wrote unit tests, and documented APIs and workflows to improve maintainability.

SDE Intern

Hexagon R&D Capability Center, Hyderabad, India

Jun 2024 - Jul 2024

- Participated across the **SDLC lifecycle** from planning and design discussions to **development, testing, and deployment** hand offs in a fast paced engineering team.
- Developed features and fixed defects in existing applications and applied software development best practices while practicing code reviews, branching strategies, and test first thinking for higher code quality.

PROJECTS

SnoroCardio: IoT health monitoring (ESP32)

- Built a system that monitors snoring and heart rate using sensors on **ESP32** and streams data for real-time alerts when high-frequency snoring is detected.
- Captured temperature and sound data and **applied logistic regression and data analysis**, triggered notifications via an **Blynk IoT cloud platform**
- Focused on signal noise reduction and threshold tuning to improve alert usefulness.

Medico Vita: Integrated healthcare platform

- Built a healthcare platform using **Spring Boot, MongoDB, React**, enabling secure consultations and digital prescriptions.
- Integrated ML models into **Spring Boot microservices** for an AI-powered symptom checker and doctor recommendations.
- Implemented Spring Security with JWT and WebSockets for role-based access and real-time notifications.
- Deployed services on cloud infrastructure, automating role-based workflows and enabling predictive analytics.

SwordSlayer: An Action Game

- Created an action game using game engine tooling **Unity** and scripting for advanced mechanics and interactive environments using **C# (.NET framework)** packaged builds and play-tests for user feedback.

ONLINE COURSES

- **ISRO** : Remote Sensing Technology, Geospatial Technology for Digital Agriculture
- **NPTEL** : The Joy of Computing Using Python, Programming in Java
- **Coursera**: Google Data Analytics

ACHIEVEMENTS/AWARDS

- **Secured 2nd Place** at TECHNIZEN held by ACM Student Chapter of R.V.R & J.C College of Engineering
- **Won** a hackathon organized by MakeSKilled for the innovative idea behind SnoroCardio.
- Received a **Gold Medal** in the Indian National Talent Search Olympiad.

EXTRACURRICULAR ACTIVITIES

- **Chairperson and Event Coordinator** at ISTE Club - 2022 - 2024