

# KATTAMURU GEETHIKA

Visakhapatnam, Andhra Pradesh | +91 9490392802 | [geethikakattamuru@gmail.com](mailto:geethikakattamuru@gmail.com)

[LinkedIn](#) | [Github](#) | [Portfolio](#)

## CAREER OBJECTIVE

Motivated and goal-oriented B.Tech CSE(Data Science) student seeking an internship or entry-level opportunity in software, data, or IT domains to apply technical skills, gain hands-on industry experience, and contribute to impactful projects while growing professionally.

## EDUCATION

### B.Tech – Computer Science - Data Science

Vignan's Institute of Engineering for Women, JNTU-GV

CGPA: 8.07 | 3<sup>rd</sup> Year-2026

### Intermediate

Narayana Junior College, BIEAP

87% | 2023

### SSC

Bhashyam High School, SSC

100% | 2021

## TECHNICAL SKILLS

**Programming Languages:** C, Python, HTML

**Databases & Tools:** MySQL, Jupyter Notebook, Google Colab, VS Code, Microsoft Suite, Power BI, Supabase, Figma

## PROJECTS

### Heal Connect – Web Application | HTML, CSS, JavaScript, Supabase, Google Maps API *Jun 2025 – Nov 2025*

Team size: 5 | ROLE: Lead

- Lead a Team in developing a responsive healthcare web application featuring modules for natural remedies, women's health, diet plans, emergency tips, and medical schemes.
- Integrated Supabase backend for secure user authentication, health record storage, and structured database management.
- Implemented Google Maps API to build a Hospital Locator feature, improving user accessibility to nearby medical facilities.

### Multi-Sensor Health Care Monitoring System | ESP32, MAX30102, DS18B20, IoT *May 2025 – Aug 2025*

Team size: 5 | ROLE: Hardware Integration

- Designing and assembling an IoT health monitoring device to track real-time heart rate, SpO2, and body temperature.
- Programmed the ESP32 microcontroller to read data from MAX30102 and DS18B20 sensors and display live metrics on an LCD screen.
- Managed hardware integration and circuit assembly, demonstrating proficiency in embedded systems and IoT development.

### Diabetic Retinopathy Stage Detection using Deep Learning – Ongoing *Nov 2025 – Present*

Team size: 5 | ROLE: Data Acquisition & Hardware Integration | Python, PyTorch, OpenCV, CNN, NumPy, Matplotlib

- A deep learning model to detect and classify diabetic retinopathy stages from retinal fundus images using CNN and PyTorch.
- Preprocessed medical image datasets using OpenCV and NumPy to prepare labeled data for model training and evaluation.
- Developing an AI-powered screening tool aimed at enabling early-stage diagnosis and reducing vision loss through timely detection.

## INTERNSHIP EXPERIENCE

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### AI-Driven Data Analytics Intern | Data Valley

2 Months

- Performed data collection, cleaning, and analysis on real-world datasets to generate actionable business insights using Python and SQL.
- Designed and deployed interactive dashboards in Power BI to visualize data trends, supporting data-driven decision-making.
- Applied machine learning techniques using Pandas, NumPy, and scikit-learn to build predictive models and identify key data patterns.

## CERTIFICATIONS

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NPTEL – Database Management Systems (DBMS)

*IIT / NPTEL Online Certification*

NPTEL – Python for Data Science

*IIT / NPTEL Online Certification*

NASSCOM – Acquiring Data (Gold)

*NASSCOM Online Certification*

## CO-CURRICULAR ACTIVITIES

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- Class Representative (CR) – Semester 2-2: Demonstrated leadership, coordination, and communication skills between students and faculty.
- CRT Coordinator: Coordinated placement-related activities and campus recruitment training for the class.
- ICC Coordinator since Semester 1, actively contributing to institutional committees.
- Delivered multiple technical seminars on academic subjects, strengthening public speaking and technical communication skills.
- Attended technical workshops and industry seminars to stay current with emerging technology trends.

## SOFT SKILLS

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Team Leadership • Effective Communication • Time Management • Adaptability • Teamwork • Engaging Presentation