

KOTHA RAJ RISHI REDDY

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ABOUT ME

A dedicated professional passionate about growth and innovation. I continuously explore new ideas, acquire diverse skills, and adapt to emerging opportunities. With a commitment to lifelong learning, I drive creative solutions in dynamic environments.

EDUCATION

National Institute of Technology, Silchar

B.Tech in Computer Science and Engineering

Cachar, Assam

August, 2023 - June, 2027

- **CGPA** : 8.21 / 10.00
- **Related Coursework** : Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Combinatorics, Object-Oriented Programming, Statistics & Applications

SriChaitanya Junior College, Madhapur

Higher Secondary Education (Class 12)

Hyderabad, Telangana

June, 2021 - June, 2023

- **Percentage**: 98.1%

PROJECTS & WORK EXPERIENCE

Blog Website

Solo Project

[Project Link](#)

January 2025

Technologies Used: Flask, Bootstrap, CSS, HTML, JavaScript, PostgreSQL/MySQL, Python

- Developed a dynamic blog website with a **user-friendly** interface and **responsive design** using Flask and Bootstrap.
- Implemented **user authentication and validation** for secure access.
- Designed a **relational database** to manage users, store comments, and track user interactions.

Key Skills: Web Development, Flask, Database Management, User Authentication, UI/UX, User Dashboard

Eco-Products Website

Freelance Project

[Project Link](#)

February 2025

Technologies Used: Python (Flask/Django), JavaScript, HTML, CSS, PostgreSQL/MySQL

- Built a **product search platform** that suggests **sustainable alternatives** for searched items.
- Implemented **user authentication & validation** for secure cart and wishlist functionality.
- Designed a **relational database** to manage users, product details, and shopping interactions.

Key Skills: Full-Stack Development, Database Management, User Authentication, API Integration

Typing Speed Test

Team Lead

[Git Repo Link](#)

March 2025

Technologies Used: Python, Tkinter, Pillow, Pygame.

- Designed and implemented an interactive **GUI application** that provides a customizable typing speed test with dynamic visual and sound feedback, **detailed performance metrics** (WPM, accuracy, etc.), and configuration options such as keyboard layout and time limit.

Key Skills: GUI Development, Python Programming, Sound Integration, Image Handling, User Experience Design, Performance Metric Calculation, Application Packaging.

QiloDB – A Custom Query-Based Database System

Team Lead

[Git Repo Link](#)

April 2025

Technologies Used: C++, OOP, File System, CLI, CSV, SQL DataBases.

- Developed a lightweight, file-based DBMS with a custom **SQL-like query language** using C++ and OOP principles, ensuring modularity and efficient **error handling**.
- Collaborated in an agile team environment to design, develop, test, and deploy high-quality software
- Enhanced skills in **C++, object-oriented design, and database fundamentals** while effectively communicating technical solutions.

Key Skills: C++ Programming, File Handling, SQL-like Query Parsing, Object-Oriented Design, CLI Development, Error Handling, Modular Programming, Database Internals, Application Packaging.

Future Scope: Planned enhancements include implementing JOINS, aggregates, GROUP BY operations, and further optimizations for table management.

SKILLS

Programming: C, C++, Python(Advanced), JavaScript (Intermediate), Competitive Programming(Mediocre).

Web Development: Full-Stack (Python, JS), REST APIs, Relational Databases, React, Next.js, Node JS, Express JS, Bootstrap, Flask, Tailwind CSS.

Tools and Platforms: Git, GitHub (version control), PostgreSQL, Ubuntu Linux, Docker (Basic), Railway, Render, OpenAi.

Soft Skills: Problem Solving & Critical Thinking, Collaboration & Teamwork, Time Management, Leadership.

To know more about me visit my [Portfolio](#)