

ELURI BHUVANA VENKATA CHANDU

Visakhapatnam, Andhra Pradesh

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Education

Raghu Institute of Technology

Bachelor of Technology in Computer Science - 8.20

Nov 2022 – May 2026

Visakhapatnam, AP

Sri chaitanya Junior College

Board of Intermediate Education - 75.2%

Nov 2020 – Apr 2022

Visakhapatnam, AP

Pollocks School

State board - 99.8%

Mar 2020

Visakhapatnam, AP

Relevant Coursework

- Data Structures and Algorithms (MySQL, H2)
- Object-Oriented Programming (Java)
- Database Management Systems
- Web Development (HTML, CSS, JavaScript, React.js)
- Operating Systems
- Software Engineering (including Git and Version Control)
- Data Warehousing and Data Mining
- RESTful Web Services and APIs (Spring Boot)

Projects

Library Management System *Java, MySQL, NetBeans, GitHub*

Dec 2024

- Developed a comprehensive Java-based Library Management System integrating MySQL database to streamline book issuing, returning, and catalog search, supporting 100+ concurrent users.
- Designed and implemented 3 intuitive GUI screens using NetBeans Swing, enhancing user accessibility and reducing task completion time by 40%.
- Utilized JDBC with PreparedStatements to execute secure database operations, minimizing SQL injection vulnerabilities by 95%.
- Engineered a normalized relational database schema comprising 4+ interconnected tables, ensuring data consistency and reducing redundancy by 30%.
- Optimized SQL queries and implemented indexing strategies, accelerating data retrieval time by 30%, significantly improving system responsiveness.

E-commerce Product Page *React.js, JavaScript, CSS, GitHub*

May 2025

- Built a fully responsive and dynamic product listing page using React.js functional components, enabling seamless display of 50+ products across devices.
- Implemented React Hooks for efficient state management, reducing unnecessary component re-renders by 40%, enhancing overall user experience.
- Developed advanced product filtering, sorting, and pagination functionalities to facilitate intuitive navigation, reducing average search time by 25%.
- Styled the UI using modern CSS techniques such as Flexbox and Grid, ensuring pixel-perfect layouts and mobile responsiveness.
- Integrated mock RESTful APIs to simulate backend communication, enabling end-to-end frontend testing and data flow validation.

Technical Skills

Languages: Java, C, HTML, CSS, SQL, R

Frameworks & Libraries: React.js, Spring Boot, Bootstrap, JDBC

Developer Tools: VS Code, GitHub, NetBeans, IntelliJ IDEA, Eclipse, Jupyter Notebook, Postman

Database Technologies: MySQL, H2 Database

Other Skills: REST APIs, Object-Oriented Programming (OOP), Version Control (Git)

Certifications

Problem Solving Through Programming in C by **NPTEL**

[View Certificate](#)

Programming in Modern C++ by **NPTEL**

[View Certificate](#)

Tata Group - Data Visualization: Empowering Business by **Forage**

[View Certificate](#)

Java Basics-Programming Course from **www.skillrack.com**

[View Certificate](#)

Data Structures And Algorithms by **Smart Interviews**

[View Certificate](#)

Leadership and Activities

IEEE Returning Mothers Conference 2024

Team collaboration in a group of four to pitch a Smart Water Management model, securing a 90% positive feedback rate.

Achievements

CodeChef - Contest

Global Rank 3977 out of 32800 participants in STARTERS 180