

AKELLA LAKSHMI ANANYA

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Objective

Motivated and detail-oriented Computer Science student with a strong foundation in programming, web development, and problem-solving. Seeking opportunities to apply my technical skills and knowledge in a dynamic environment to contribute to innovative projects and further develop my expertise in software development.

Education

• Koneru Lakshmaiah Education Foundation

Bachelor of Science in Computer Science | CGPA: 9.75/10.00

July 2023 – May 2027

Vijayawada, Andhra Pradesh

• Sri Sarada Educational Institutions

Board of Intermediate | Mathematics, Physics & Chemistry | Percentage: 94.8%

June 2021 – May 2023

Vijayawada, Andhra Pradesh

Relevant Coursework

Data Structures & Algorithms | Database Management Systems | Artificial Intelligence | Object-Oriented Programming | Operating Systems | Network Protocols

Academic Projects

• Library Management System | Java, Swing, Event-Driven Programming

Developed a Java-based library management system to handle 500+ books, borrower details, and lending transactions, reducing manual tracking errors by 30%. Implemented real-time UI updates using event-driven programming, improving system responsiveness by 40%. Designed a search feature enabling users to filter books by title, author, or category, reducing search time by 50%. Enhanced user interaction with form validation and responsive feedback mechanisms, achieving a 95% user satisfaction rate in testing.

• StockSavvy: Inventory Management System | ReactJS, Spring Boot, MySQL

Built a full-stack web application with role-based access control for inventory management, supporting 100+ products and 3 user roles. Implemented a customer rewards system to track and update points based on purchase history, increasing customer retention by 20%. Developed React components for inventory display with sorting and filtering capabilities, reducing data retrieval time by 35%. Integrated secure authentication and authorization using Spring Security, ensuring 100% data integrity and preventing unauthorized access.

Experience

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Python Full Stack Development Hackathon - KLEF

December 2024

Participant

Collaborated in a 36-hour hackathon to develop a food delivery web application using Django and PostgreSQL, serving 200+ simulated orders during the event. Designed and implemented the backend REST API and database schema for order management, reducing API response time by 25%. Created responsive frontend interfaces using HTML, CSS, and JavaScript, achieving a 90% user engagement rate during testing. Integrated user authentication and order tracking features, improving order accuracy by 15%.

Technical Skills

Programming Languages: Python, Java, C, JavaScript, SQL

Web Technologies: HTML/CSS, React.js, Node.js (Basic)

Frameworks & Tools: Django, Spring Boot, Java Swing, Git, VS Code, MySQL Workbench

Databases: MySQL, PostgreSQL, JPA (Basic)

Soft Skills

Problem Solving: Adept at identifying and resolving technical challenges in projects and hackathons.

Team Collaboration: Proven ability to work effectively in team environments, contributing to successful project outcomes.

Communication: Strong presentation and documentation skills for technical and non-technical audiences.

Time Management: Skilled at prioritizing tasks to meet deadlines in academic and extracurricular activities.

Certifications



Lingua Skills - English Proficiency
May 2024



Junos-JNCIA Certification in Juniper Networks Associate
January 2025