

Roshini Pasapu

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Education

SRM University, AP

Bachelor of Technology in Computer Science and Engineering

Current CGPA: 8.7(Upto 4 Semesters)

Oct, 2022- May, 2026

IV Semester (currently)

Relevant CourseWork

- Data Structures
- Algorithm Analysis
- CyberSecurity
- WebDevelopment
- DataBaseManagement
- Probability & statistics
- CoreJava Development

Technical Skills

Programming Languages: [Python, PHP, CoreJava, C, C# C++]

Frontend : [HTML, CSS, JavaScript, React Js, Tailwind Css]

Problem Solving: Data Structures and Algorithms

Web Technologies: HTTP, HTML/DOM, AJAX, REST APIs Concepts: Web Services, SOA, REST APIs

Technologies: Linux , DataBase: Mysql

AI Engineering and ML (Currently Learning)

Experience

Wissda Consulting Private Limited

June 2024 - Aug 2024

SDE Intern

- Developed and analyzed technical problems and coding challenges for the Zeero product, focusing on creating accurate, challenging, and insightful assessments to evaluate developer skills.
- Worked closely with the Technology Team to understand product requirements and align problem statements with real-world scenarios, contributing to the product's overall quality and effectiveness.
- Successfully managed and completed the project titled "Technical Problem Writing and Analysis" within the internship timeline, demonstrating strong organizational and time management skills.
- Demonstrated high levels of professionalism and dedication, leading to the acquisition of critical skills in problem-solving, technical writing, and teamwork, which will be invaluable in future career pursuits.

Projects

E-commerce RESTful API | Node.js, Express, MongoDB, JWT, REST APIs

- Comprehensive API Development: Designed and implemented a RESTful API for an e-commerce platform using Node.js and Express, enabling functionalities such as user authentication, product management, and order processing.
- Secure Authentication: Integrated JSON Web Tokens (JWT) for secure user authentication and authorization, ensuring that only verified users can access and manage their accounts and orders.
- Database Management: Utilized MongoDB for efficient storage and retrieval of user data, product details, and order history, with Mongoose for schema validation and database operations.
- Scalable and Maintainable Architecture: Developed a modular and scalable API structure that supports future enhancements and maintains code clarity, enabling easy integration with front-end applications.

Weather Dashboard | HTML, CSS, JavaScript, Bootstrap, AJAX, OpenWeatherMap API

- Developed a dynamic Weather Dashboard that fetches real-time weather data from the OpenWeatherMap API, providing users with current temperature, humidity, wind speed, and other essential weather metrics.
- Interactive User Interface: Designed an intuitive and responsive user interface using HTML, CSS, and JavaScript, allowing users to search for weather information by city and view detailed forecasts for multiple locations.
- API Integration: Implemented seamless API integration to retrieve weather data and display it in a visually appealing format, including a 5-day forecast feature for comprehensive weather tracking.
- Technology Stack: Leveraged front-end technologies such as JavaScript, Bootstrap, and AJAX to create a user-friendly and efficient dashboard, enhancing user experience with real-time updates and easy navigation.

Cash flow minimizer | DSA,C++

- Developed a Cash Flow Minimizer System to optimize transactions among multiple international banks with different payment modes, reducing the number of transactions needed for financial settlements.
- Designed an algorithm to identify debtor and creditor banks, considering their net amounts and supported payment modes, resulting in efficient and cost-effective financial transactions.
- Implemented a directed graph representation of debts and payments, visualizing the flow of funds between banks and the World Bank acting as an intermediary for banks with no common payment modes.
- Utilized Python programming language to create a scalable and robust solution, incorporating concepts of graph theory, algorithms, and data structures to handle complex financial transactions seamlessly.
- Demonstrated problem-solving skills and expertise in financial optimization by developing a solution that minimizes cash flow among international banks, contributing to streamlined financial operations and cost savings.

Bank Application | Java

- Developed a Java-based bank application to facilitate core banking operations such as account management, transactions, and balance inquiries.
- Implemented robust error handling and validation mechanisms to ensure the integrity and security of user data, enhancing reliability.
- Designed a user-friendly interface, either through command-line or graphical, to streamline user interaction with the application.
- Tested the application rigorously to identify and rectify any bugs or issues, ensuring optimal performance and functionality.

Netflix Clone | HTML,CSS, JavaScript

- Created a Netflix Clone using HTML, CSS, and JavaScript.
- Implemented dynamic content rendering to mimic the user interface of the original platform.
- Utilized CSS for styling to replicate the visual elements of Netflix, ensuring a polished and professional appearance.
- Incorporated JavaScript to add interactivity, such as dynamic navigation, carousel sliders, and modal dialogs.
- Ensured responsiveness across various devices and screen sizes to provide a seamless user experience.
- Developed the project to gain practical experience in front-end web development and enhance skills in HTML, CSS, and JavaScript.

Certifications& Accomplishments [Link](#)

Experience Letter : Wissda Consultancies Pvt .Ltd Internship	August 2024
Shortlisted in 2nd level of Google Girl Hackathon 2024	April 2024
Secured 5819 Rank in All India NCAT,Naukri Campus	April 2024
Nptel Top 5% in E-Business(Gold Medal) and Python Exams (Silver Medal)	December 2023
CyberSecurity Course Completion from Google through Coursera	November 2023
Problem Solving Skill Certificate ,HackerRank	September 2023