Gudipudi Charan Teja

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Projects

Expense Tracker   Jul 2025

- Developed a full-stack application for tracking and managing personal expenses, enabling users to log, categorize, and monitor spending efficiently.
- Implemented features for user authentication and role-based access control using Spring Security with JWT for secure expense data handling.
- Designed relational database models with proper ORM mappings using Spring Data JPA, supporting entities like User, Role, Expense, and Category.
- Built and tested RESTful APIs using Postman for reliable CRUD operations, ensuring optimized backend services.
- Tech Stack: Java, Spring Boot, Spring Security (JWT), JPA/Hibernate, MySQL/PostgreSQL, HTML, CSS, JavaScript, Postman

Team Manager Management System   *Jun 2025*

- Developed a full-stack application for managing teams, projects, tasks, and user roles, enabling seamless collaboration and project tracking.
- Implemented features for user registration, role-based access control, task assignment, and project management with detailed status and priority tracking.
- Designed relational database models with proper ORM mappings using Spring Data JPA for efficient data management and scalability.
- Built and tested RESTful APIs using Postman, ensuring secure and optimized endpoints with JWT-based authentication.
- Tech Stack: Java, Spring Boot, JPA/Hibernate, PostgreSQL, React (frontend), Postman (API testing)

Training

Data Structures and Algorithms - Self Paced   May 2024 – Jul 2024

- Mastered core data structures & algorithms through Geeks for Geeks DSA certification, specializing in trees, graphs, dynamic programming, and sorting/searching techniques (C++).
- Engineered a C++ Tic-Tac-Toe game using 2D arrays, recursion, and OOP principles to simulate AI decision logic.
- Optimized code performance by implementing DSA solutions for 50+ competitive programming challenges,
- achieving 40% faster runtime.

Certifications

- Responsible and Safe AI Systems– NPTEL   Nov 2024
- Dynamic Programming, Greedy Algorithms - Coursera   May 2024
- Programming in C++: A Hands-on Introduction - Coursera   Apr 2024
- Generative AI primer - Coursera   Mar 2024

Skills

- **Languages:** C**,** C++, Java, Java Script
- **Technologies:** Node.js, React.js, Bootstrap, Spring Boot
- **Frameworks**: HTML and CSS
- **Skills**: Analytical Skills, communication skills, Problem-Solving

Education

- **Lovely Professional University Punjab**   Since Sep 2022
  Computer Science and Engineering   *Jalandhar, Punjab*
- **Narayana Educational Institutions**   Jul 2020– Mar 2022
  12th with Science   *Hyderabad, Telangana*