


Yash Prakash

 LinkedIn

 GitHub

Email: y.prakashwork@gmail.com

Mobile: +91 76450 10210

EDUCATION

- **CMR Engineering College** Hyderabad, India
Bachelors in Computer Science; GPA: 6.8/10.0 Dec 2021 – Jul 2025
 - Courses: Data Structures, Java, DBMS, Operating Systems, Distributed Systems, Computer Networks, Web Technologies

TECHNICAL SKILLS

- **Technologies:** Java, Python, JavaScript, HTML, CSS, Spring Boot, RESTful APIs, MySQL, MongoDB, Git, Socket Programming
- **Core Competencies:** Web Application Development, Database Design and Management, System Performance Optimization

INTERNSHIPS

- **Naresh I Technologies** Hyderabad, India
Full Stack Java Training May 2025 – Present
 - Developed inventory management system for retail business using Spring Boot and MySQL database, implementing product management, stock tracking, supplier information, and low-stock alert notifications
 - Built REST APIs for CRUD operations with Spring Security authentication, implemented search and filtering functionality, and created automated reports for sales analysis and inventory valuation
 - Designed responsive web interface using HTML, CSS, JavaScript with Bootstrap framework, integrated barcode generation for products, and implemented user role management for admin and staff access
- **CMR Engineering College** Hyderabad, India
Drug Discovery using AI-ML Dec 2024 – Mar 2025
 - Developed machine learning-based drug discovery system using Flask backend and SQL databases with Random Forest Regressor to predict molecular properties and drug effectiveness
 - Implemented automated risk assessment modules to analyze drug toxicity, side effects, and interactions using multiple ML algorithms including SVM, Gradient Boosting, and Naive Bayes
 - Integrated real-time data retrieval from molecular databases like PubChem and DrugBank to enhance prediction accuracy and generate comprehensive drug safety reports

PROJECTS

- **Train Ticket Booking System:** Backend-focused train ticket booking system using Java and socket programming
 - Implemented client-server architecture with socket programming for real-time communication between multiple clients and server
 - Developed concurrent user request handling using multithreading to manage simultaneous booking requests
 - Designed data synchronization mechanisms to prevent race conditions and ensure data consistency across concurrent operations
 - Applied file locking techniques to handle seat availability and prevent double booking scenarios
 - Enhanced error handling and exception management for robust system performance under high load conditions
 - Gained expertise in network programming, concurrent systems design, and real-world transportation domain challenges
- **Technologies:** Java, Socket Programming, Multithreading, File I/O
- **Employee Management System:** Full-stack web application for comprehensive employee management with Spring Boot
 - Developed RESTful API architecture using Spring Boot framework for scalable backend services
 - Implemented secure user authentication and JWT-based authorization with role-based access control
 - Designed and implemented CRUD operations for employee data management including hiring, updating, and performance tracking
 - Created efficient MySQL database schema with proper indexing and relationships for optimal query performance
 - Built responsive frontend interfaces for admin dashboard and employee self-service portals
 - Integrated reporting functionality for HR analytics and employee performance metrics generation

Technologies: Spring Boot, RESTful APIs, MySQL, HTML, CSS, JavaScript, JWT Authentication

ADDITIONAL SKILLS

- Strong Communication and Teamwork
- Analytical Problem-Solving