Krishna Kumar

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EDUCATION

Dr. A.P.J. Abdul Kalam Technical University   Lucknow, Uttar Pradesh, India
Bachelor of Technology in Computer Science and Engineering   *Aug 2023 – Aug 2027*
- Relevant Coursework: Data Structures, Algorithms, Database Management, Operating Systems, Software Engineering

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, C, SQL, HTML, CSS
Frameworks & Libraries: React, Node.js, Express.js, MongoDB, Spring Boot, Redux
Tools & Technologies: Git, GitHub, VS Code, Linux, JDBC, MySQL, Razorpay API, GitHub Copilot
Core Competencies: Data Structures & Algorithms, Object-Oriented Programming, Full-Stack Development, RESTful APIs, Database Design, System Design, Prompt Engineering

PROJECTS

QuickShop E-Commerce Platform | *JavaScript, React, Node.js, Express.js, MongoDB, Razorpay*   2024
- Developed a full-stack e-commerce application with secure user authentication, product catalog, shopping cart, and order management system
- Integrated Razorpay UPI payment gateway for seamless transactions and built an admin dashboard for inventory management
- Implemented RESTful APIs with Express.js and MongoDB for efficient data handling and optimized database queries for improved performance

AI Medical Assistant | *TypeScript, React, AI/ML Integration*   2024
- Built an intelligent medical assistant application leveraging AI to provide healthcare information and support
- Designed user-friendly interface with TypeScript and React for enhanced type safety and maintainability

Student Management System | *Java, MySQL, JDBC*   2024
- Created a CRUD-based application for managing student records with MySQL database connectivity using JDBC
- Optimized search functionality and implemented efficient data retrieval algorithms, reducing query time by 40%

Bank Management System | *C, Data Structures*   2024
- Engineered a comprehensive banking system featuring customer account management, transaction processing, and account tracking
- Utilized advanced data structures for efficient data management and implemented secure transaction handling

ACHIEVEMENTS & CERTIFICATIONS

LeetCode Problem Solver   2024
- Solved 100+ algorithmic problems across Easy, Medium, and Hard difficulty levels on LeetCode
- Specialized in Data Structures, Dynamic Programming, Arrays, Strings, Trees, and Graph Algorithms

Professional Certifications
- HackerRank Certifications: Java, Python (Basic), SQL (Basic, Intermediate, Advanced), Problem Solving (Basic & Intermediate)
- NodeJs + ExpressJs + MongoDB - KNOWLEDGEGATE — React and Redux - Complete Coding
- GitHub Copilot & Prompt Engineering - Introduction to AI-Assisted Development

LEADERSHIP & EXTRACURRICULAR

Open Source Contributor   2024
GitHub Community
- Actively contribute to open-source projects and maintain personal repositories with 2+ starred projects
- Created comprehensive documentation and tutorials for Android system customization and optimization tools