

BANDARU CHARAN

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Summary — I am a B.Tech student specializing in Java development and Database Management Systems. I have hands-on experience working with Java and SQL databases to develop and manage software applications. My interests include workflow automation, system optimization, and backend development. I am eager to apply my technical skills in software development and process automation to solve real-world challenges while continuously learning new technologies.

Education

KL University (Koneru Lakshmaiah Education Foundation), Vijayawada <i>B.Tech in Computer Science and Engineering</i> <i>Focused on problem solving, web development and programming skills</i>	May 2023 – Present CGPA: 9.4
Sri Chaitanya Junior College <i>Intermediate (MPC)</i> <i>Specialized in Mathematics, Physics, and Chemistry with a strong problem-solving approach</i>	May 2021 – May 2023
Sri Chaitanya School <i>Secondary Education (10th Grade)</i> <i>Excelled in core subjects, particularly Mathematics and Science.</i>	May 2020 - March 2021

Skills

- **Programming Languages:** C, Java, Python
- **Web & Frontend Technologies:** HTML5, CSS3, React.js, JavaScript
- **Backend & Frameworks:** Spring Boot, Node.js, RESTful API Development
- **Databases:** MySQL, PostgreSQL, SQL
- **Cloud & DevOps Tools:** Amazon Web Services (EC2, RDS, S3)
- **Core Concepts:** Object-Oriented Programming (OOP), Data Structures, Algorithms

Certifications

AWS Cloud Practitioner-AWS	2025
Certified Essentials Automation Professional	2025
Salesforce Certification-Salesforce	2024
Data Base Management Systems-NPTEL	2024

Projects

Online Grocery Store	
– Developed a full-stack online grocery store using React.js, Spring Boot, and MySQL, featuring real-time order tracking via WebSockets.	
– Executed JWT-based authentication with OAuth to ensure secure and scalable user access management.	
– Optimized backend performance by implementing Redis caching and tuning SQL queries, improving system response time by 30%	
– Skills Gained: Redis caching, JWT authentication, OAuth, WebSocket integration, REST API development, SQL query optimization, Full-stack application design.	
AI Resume Skill Analyzer	
– Implemented automated resume text extraction and skill identification to compare candidate profiles with job-required skill sets.	
– Designed a scoring algorithm to generate skill match percentages along with explainable feedback highlighting matched skills, missing skills, and improvement recommendations.	
– Built an interactive user interface for resume upload, skill input, and real-time result visualization.	
– Skills Gained: NLP, Flask backend development, JavaScript UI integration, similarity scoring algorithms, file handling, full-stack web development.	

Achievements

- Active Member of **SODS Club (School of Data Science)** — contributed to workshops and data-driven research projects.