

BANDARU CHARAN

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Summary — I am a B.Tech student specializing in RPA development, database management, and software automation. I have hands-on experience with UiPath Studio, C, Python, and SQL databases. 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

Technical Skills

Programming Languages	C, Java, Python, Pandas	Databases	JDBC,RDBMS,BigData
Frontend Development	HTML, CSS, JavaScript, React.js	Development Tools	MySQL,PostgreSQL
Backend Technologies	Node.js, Spring Boot, REST APIs	Cloud Services	AWS(RDBMS,DynamoDB,EC2)

Certifications

- AWS Certified Cloud Practitioner
- Salesforce AI Associate
- Certified Essentials Automation Professional(Automation Anywhere)
- Multicloud Network Associate (Aviatrix)
- Data Base Management System(NPTEL)
- Scrum Fundamentals Certified
- Linguaskills Certification Cambridge

Projects

Online Grocery Store

- Developed a full-stack online grocery store using React.js, Spring Boot, and MySQL, providing real-time order tracking through WebSocket integration.
- Implemented secure user authentication with JWT and OAuth, ensuring scalable and protected access control across all user flows.
- Enhanced backend performance by integrating Redis caching and optimizing SQL queries, reducing system response time by 30%
- Built an interactive admin dashboard using Material-UI, improving order management efficiency and reducing manual processing efforts by 40%

ETL Pipeline with Open Data

- Implemented a complete ETL workflow to ingest publicly available CSV datasets from Kaggle and data.gov, enabling automated data sourcing for analytics use cases.
- Automated data extraction, transformation, and cleaning using Python (Pandas), ensuring accurate data types, removal of duplicates, and robust handling of missing values.
- Engineered the data loading process into Google BigQuery using the BigQuery Python client and validated pipeline correctness through SQL-based quality checks.
- Strengthened data engineering capabilities by working with ETL orchestration, schema design, and cloud-based data warehousing concepts.

Achievements

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