BANDARU CHARAN

+918328279515 — bandaru.charan767@gmail.com — linkedin.com/in/bandaru-charan

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 **May 2023 – Present**
B.Tech in Computer Science and Engineering *CGPA: 9.4*
Focused on problem solving, web development and programming skills

Sri Chaitanya Junior College **May 2021 – May 2023**
Intermediate (MPC)
Specialized in Mathematics, Physics, and Chemistry with a strong problem-solving approach

Sri Chaitanya School **May 2020 - March 2021**
Secondary Education (10th Grade)
Excelled in core subjects, particularly Mathematics and Science.

Skills

Frontend: HTML, CSS, Javascript, React
Backend: Node.js, Spring Boot, REST APIs
Tools: VS Code,PG Admin
RPA: UiPath Studio
Programming Languages: C, Python, Java
Development Tools: MySQL, PostgreSQL
Cloud Services: AWS(RDBMS,DynamoDB,EC2)

Certifications

AWS Cloud Practitioner-AWS **2025**
Certified Essentials Automation Professional **2025**
Data Base Management Systems-NPTEL **2024**
Salesforce Certification–Salesforce **2024**
Lingua Skill Certification-Cambridge **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 introducing Redis caching and refining SQL queries, reducing response time by 30%.
- Designed an interactive admin dashboard using Material-UI, streamlining order management and reducing manual intervention by 40%.

ETL Pipeline with Open Data

- **Built** a complete ETL workflow to ingest publicly available CSV datasets from Kaggle and data.gov, enabling systematized data sourcing for analytics use cases.
- **Applied** extraction, transformation, and cleaning techniques using Python (Pandas), ensuring accurate data types, removal of duplicates, and robust handling of missing values through a mechanized process.
- **Engineered** the data loading process into Google BigQuery using the BigQuery Python client and computerized validation using 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 research projects.