

RAVI TEJA SONU CHITTALURI

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OBJECTIVE

Aspiring Data Analyst with a strong foundation in **data processing**, analytics, and **visualization**, transforming raw data into actionable insights that drive business decisions. Passionate about leveraging **SQL**, **Python**, and BI tools to enhance data-driven strategies and optimize workflows. Eager to join your company to apply my analytical skills, problem-solving ability, and attention to data integrity in a dynamic environment that values innovation, collaboration, and data-driven decision-making.

EXPERIENCE

Data Analyst | ZMater Technologies *Oct 2024 - Present*

- Collected, cleaned, and processed large datasets to extract meaningful insights, supporting **data-driven strategies**.
- Developed **SQL** queries for optimized **data retrieval**, improving reporting efficiency by 30%.
- Automated **data transformation** workflows using **Python** and **Pandas**, reducing manual tasks by 40%.
- Designed and managed **Power BI dashboards**, delivering real-time insights for business stakeholders.
- Built **ETL pipelines**, streamlining data integration from multiple sources for enhanced data consistency.
- Applied **data governance** best practices, ensuring high data quality and compliance across all reports.
- Conducted exploratory data analysis (EDA) to identify trends and patterns, enabling better decision-making.
- Collaborated with teams to translate business needs into **scalable, automated** data solutions.

SOFTWARE DEVELOPMENT ENGINEER INTERN | Cyber_ekta *Mar 2023 - Jul 2023*

- Built and optimized data transformation scripts using **Python** and **SQL**, improving data processing efficiency by 25%.
- Developed interactive dashboards in **Power BI**, providing real-time insights that enhanced decision-making for stakeholders.
- Automated data extraction and reporting workflows, reducing manual tasks by 30%.
- Collaborated with cross-functional teams to deliver data-driven solutions, ensuring high data accuracy and integrity.

EDUCATION

B.E | MVSR(OU) | CSE | CGPA - 8.0 *2020 - 2024*

Intermediate | Sarath Junior College | MPC | Percentage - 91% *2018 - 2020*

SSC Board | Sri Chaitanya | CGPA- 9.7 *2018*

SKILLS

- | | |
|------------------------------|---|
| • Programming Languages | Python, Java, C++, C#, JavaScript |
| • Backend Development | Node.js, Django, Flask, <u>ASP.NET</u> MVC |
| • Databases | PostgreSQL, MongoDB, Prisma |
| • Cloud & DevOps | AWS Services, Docker, Terraform, CI/CD Pipelines |
| • MongoDB & Prisma | React.js, HTML5, CSS3 |
| • Tools & Version Control | Git, GitHub, Jenkins |
| • Data Analytics & Reporting | SQL, Power BI, Data Visualization |
| • API Development | RESTful APIs, GraphQL |
| • Agile & SDLC | Agile Methodologies, SDLC, OOP |
| • Problem Solving & Design | Data Structures, Algorithms, Object-Oriented Design (OOD) |
| • Other Tools | Unix/Linux, Terraform & CloudFormation |

PROJECTS

LICENSE PLATE RECOGNITION SYSTEM (YOLOV7 & CRNN)

- Developed an end-to-end License Plate Recognition (LPR) system using **YOLOv7** for object detection and **OCR** for alphanumeric character recognition, including Urdu script.
- Achieved a 15% improvement in recognition accuracy through model fine-tuning and extensive testing across diverse datasets.
- Integrated **Python**, **OpenCV**, and **EasyOCR** to create a scalable backend service for automatic license plate recognition.

FULL-STACK E-COMMERCE APPLICATION

- Designed and developed a comprehensive e-commerce web application with a **React.js** front-end and **Python Django** backend.
- Implemented secure **JWT-based** authentication, product management, and shopping cart functionalities with a **PostgreSQL** database.
- Deployed on **AWS** with **CI/CD** pipelines using Jenkins, reducing API response times by 25% and ensuring scalability.

PARLIAMENTARY INSIGHT – EDUCATIONAL GAME

- Developed an educational game in **Unreal Engine 5**, designed to teach Indian Parliamentary processes to school students through virtual elections, rescue missions, and quizzes.
- Utilized **C++**, **Blueprints**, **Blender**, and **Photoshop** to create an interactive virtual world that fosters learning through gamification.
- Focused on user engagement by designing immersive gameplay mechanics and ensuring the game was accessible to a wide range of users.

AIRBNB CLONE – MERN STACK

- Developed an Airbnb Clone using the MERN stack (MongoDB, Express.js, React, Node.js) to replicate key features like user authentication, property listings, and booking functionalities.
- Ensured a seamless user experience and efficient performance through a full-stack **JavaScript** implementation.

CERTIFICATIONS

- AWS Academy **Data Analytics**
- AWS Academy **Cloud Foundations**
- Certified Smart Coder By Smart Interviews
- GCP **Cloud Architect** (In Progress)
- HackerRank SE Intern Certificate
- AWS Academy **ML Foundations**
- **MongoDB** Node.js Developer Path
- **Kubernetes** Administrator Training Certificate
- HackerRank Software Engineer Certificate

EXTRACURRICULAR ACTIVITIES

- Member of the University **Coding Club**, participating in national-level competitions.
- Volunteer at **LIFE FOUNDATION**, providing technical support and training.
- Active member of the **NSS**, I led multiple community service initiatives

ACHIEVEMENTS

- **Ranked in top 500 - GeeksForGeeks Hackathon** - Demonstrated strong proficiency in English language, Analytical and Programming skills at international work environments.(**Rank: 486**)
- **Ranked within the top 10% on LeetCode**- demonstrating strong problem-solving skills across a range of algorithmic challenges, including **data structures**, **dynamic programming**, and **graph theory**.