

# SAATHVIK CHAKKA

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## SUMMARY

Computer Science undergraduate with strong foundations in data structures, programming, and software development. Experienced in building academic and personal projects using Python, web technologies, and databases. Passionate about applying technology to solve real-world problems through innovation, analytics, and digital transformation.

## EDUCATION

### SRM University

Bachelors of Technology in Computer Science | GPA: 8.5

Amaravati, AP

Aug 2024 – May 2028

Coursework: Data Structures, Algorithms, Database Management, OOP, Design Patterns, Full-Stack Development, Data Analysis

## EXPERIENCE

### DiviMaxim Technologies

Data Analyst

May 2025 – Aug 2025

Hyderabad, India

- Analyzed company sales transaction data (15K+ records) to identify monthly revenue trends, top-performing products, and seasonal demand patterns using Python and Excel.
- Cleaned and transformed raw sales data by handling missing values, removing duplicates, and standardizing date and currency formats using Pandas, improving data reliability by 60%.
- Built interactive Power BI dashboards to visualize KPIs such as total revenue, order volume, and sales for internal reviews.
- Automated weekly sales summary reports using Python, reducing manual reporting effort by 40% and improving efficiency.

## PROJECTS

### Smart Attendance Management System — Python, Flask, SQLite

- Built a role-based web application to manage and track attendance of attendees using Flask and SQLite.
- Implemented secure login, attendance marking, and automated reporting using REST-style routes and relational schemas.
- Reduced manual record-keeping by 80% and improved data accuracy through structured digital workflows.

### Movie Recommendation System — Python, Scikit-learn

- Built a basic recommendation system to suggest movies to users based on similar interests and ratings.
- Applied collaborative filtering techniques using cosine similarity and KNN algorithms for personalization.
- Improved recommendation relevance by 28% after tuning model parameters and optimizing features.

### Sales Dashboard — Python, Pandas, Power BI

- Analyzed 50,000+ sales records to identify trends and patterns affecting business performance and customer behavior.
- Cleaned, transformed, and processed raw data using Pandas, and created interactive dashboards using Power BI.
- Reduced manual reporting time by 60% and improved insight generation speed by 70% using data visualization..

### Digital Book Management System — Python, MySQL

- Built a desktop-based library management system to manage book records, student details, and issue/return operations.
- Implemented CRUD operations, search functionality, and input validation to ensure correct and secure data handling.
- Reduced manual record-keeping by 70% and improved book tracking accuracy through a structured digital system.

## TECHNICAL SKILLS

**Languages:** Python, Java, SQL, JavaScript

**Web:** HTML, CSS, Flask, React (basic)

**Data & Analytics:** Pandas, NumPy, Power BI, Excel

**Databases:** MySQL, PostgreSQL

**Tools:** Git, GitHub, VS Code, Jupyter Notebook

**Concepts:** Data Structures, OOPS, DBMS, REST APIs, Basic Machine Learning, Data Cleaning, Data Visualization

## CERTIFICATIONS

- Introduction to Generative AI – Google
- Data Analytics Fundamentals Badge – IBM
- Microsoft Azure Fundamentals – Microsoft