

R k Rajkumar

Portfolio: <https://rajkumarrk29.github.io/Portfolio/>

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SUMMARY

Results-driven and passionate Computer Science graduate with strong hands-on experience in full-stack web development (MERN), data analytics using Power BI, and modern data engineering with Microsoft Fabric. Skilled in building real-time dashboards, AI-powered voice assistants, and scalable web applications. Eager to contribute to innovative tech teams by applying problem-solving skills, data-driven thinking, and a strong foundation in modern technologies.

PROJECTS

Artificial Intelligence for Personal Voice Assistant using NLP Created a voice assistant using NLTK, pytsx3, and speech recognition for real-time responses and weather updates.

Learnings:

- Mastered Natural Language Processing (NLP) techniques and their application in developing interactive voice assistants.
- Developed expertise in managing and integrating real-time voice data for enhanced user interactions.
- Gained hands-on experience in using Python libraries for speech recognition and text-to-speech conversion.

Blinkit Grocery Analytics Dashboard Developed a Power BI dashboard to visualize sales, outlet performance, and item metrics for Blinkit

Learnings:

- Gained hands-on experience in **Power BI** for building interactive dashboards with **data visualizations** & slicers for dynamic filtering.
- Applied **DAX** for calculating KPIs like total sales, average rating, and sales performance across outlet types and item categories.
- Extracted business insights using **data modeling** and visual tools like donut charts, bar graphs, and time-based line plots.

Amazon Clone Website Built a full-featured e-commerce site with user authentication, product listings, and shopping cart using HTML, CSS, JavaScript, React, Node.js, and MongoDB.

Learnings:

- Improved skills in full-stack web development, focusing on user authentication and token, product management, and shopping cart functionality.
- Gained expertise in integrating front-end (React) and back-end (Node.js, Express.js, MongoDB) technologies to build a scalable e-commerce web platform.
- Acquired experience in designing and implementing RESTful APIs for efficient client-server communication.

CONTACT DETAILS

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TECHNICAL SKILLS

Languages: Python

Front-end: HTML, CSS, JavaScript, React, React Native

Back-end: Node.js, Express.js

Database Management: MongoDB, MySQL

Data & Analytics Tools:

Microsoft Fabric (OneLake, Lakehouse, Data Warehouse, Data Factory, PySpark, Dataflows Gen2, Real-Time Pipelines, Triggers, Medallion Architecture, CI/CD, Monitoring, Governance) - Currently learning/ Beginner proficiency

Development Tools & Platforms: VS code, Postman, GitHub, Microsoft Fabric, Power BI, NoteBook PySpark

EDUCATION

2024: Bachelor of Engineering in Computer Science and Engineering from KLN College of Engineering College, Madurai (8.02 CGPA)

2020: HSC (12th), C.E.O.A. Matriculation Higher Secondary School, Madurai

2018: SSLC (10th) C.E.O.A. Matriculation Higher Secondary School, Madurai

SOFT SKILLS

- Problem-solving
- Time Management
- Analytical Skills

AREAS OF EXPOSURE

- Front & back end Development
- Data Analytics & Reporting
- AI and NLP