

# Vijay Raj CK

## Data Engineer | Data Analyst

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### Summary

Data Engineer and Full Stack Developer with a strong foundation in digital transformation and web solutions. Focused on optimizing data accessibility and user engagement by leveraging JavaScript, SQL, and GCP. Committed to driving innovation by implementing automated ETL pipelines and scalable cloud solutions to ensure data integrity and exceptional user experiences.

### Education

<b>Bachelor of Engineering (ECE)</b>	<b>Jun 2019 – May 2023</b>
<i>Jerusalem College of Engineering (Anna University), Chennai</i>	<b>9.5/10.0</b>
<ul style="list-style-type: none"><li>Consistently ranked as the top performer in Electronics and Communication Engineering, graduating with distinction.</li><li>Maintained outstanding academic records and deep mastery of ECE concepts.</li><li>Demonstrated strong leadership and contributed significantly to the academic community.</li></ul>	

### Experience

<b>Data Engineer</b>	<b>Jul 2023 – Present</b>
<i>Ingram Micro, Chennai</i>	
<ul style="list-style-type: none"><li>Designed and maintained scalable data pipelines on GCP, including automated ETL workflows and BigQuery data models. Ensured data quality and integrity, enabling accurate reporting and analytics for business decision-making.</li><li>Orchestrated Airflow DAGs to automate validation, ingestion, and transformation processes.</li><li>Collaborated with cross-functional teams to deliver robust, production-ready data solutions.</li><li>Optimized ETL workflows by refactoring SQL queries and automating tasks, reducing data processing time by 30% and improving operational efficiency.</li></ul>	

### Technical Skills

**Programming Languages:** Python, JavaScript, TypeScript, SQL  
**Frontend:** React, Next.js, Tailwind CSS, Bootstrap  
**Backend:** Node.js, Express, MongoDB  
**Cloud & Data:** GCP, BigQuery, Airflow, Cloud Functions, ETL Development  
**Developer Tools:** Git, GitHub, Looker

### Awards & Honors

<b>Best Outgoing Student</b>	<b>2023</b>
<i>Jerusalem College of Engineering</i>	
<ul style="list-style-type: none"><li>Recognized as the "Best Outgoing Student", I've demonstrated academic excellence and leadership.</li><li>Committed to achieving excellence and leaving a positive mark in my chosen field.</li></ul>	
<b>Dashing Debut</b>	<b>2024</b>
<i>Ingram Micro</i>	
<ul style="list-style-type: none"><li>Awarded to the top-performing new hire for rapid contribution and exceptional performance in the first year.</li><li>Reduced manual data pipeline creation effort by 80% through automation, which led to the early delivery of a key project and earned formal recognition for efficiency.</li></ul>	

## Internship

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### Full Stack Developer

Sep 2021 – Dec 2021

*DevTown, Remote*

- Built a Quora-like platform with user authentication, boosting user interaction and engagement.
- Designed a unique interface with custom elements, enhancing user experience and platform appeal.
- Integrated real-time chat and gamification features, driving user retention and content exploration.

## Projects

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### Sumz - OpenAI Article Summarizer App – [sumz-xi.vercel.app](https://sumz-xi.vercel.app)

Sep 2023 – Oct 2023

*Technologies: Vite, React, Redux Toolkit, Tailwind CSS, OpenAI API*

- Built and deployed an AI-powered Article Summarizer. Generates concise and accurate summaries of lengthy articles within seconds.
- Helps users grasp key insights quickly, saving time and improving productivity.
- Enhances information consumption through efficient, OpenAI-driven summarization.

### Apple Store Reimagined – [apple-vj.vercel.app](https://apple-vj.vercel.app)

Apr 2022 – May 2022

*Technologies: Next, React, Redux, Tailwind CSS, Typescript, Sanity*

- Developed a fully functional ecommerce application with user authentication and a CMS for managing products, pricing, and inventory.
- Integrated a secure payment gateway to enable seamless transactions.
- Designed the platform with a clean, minimal UI/UX inspired by Apple's signature aesthetic.

### Medium Lite – [medium-2-0.vercel.app](https://medium-2-0.vercel.app)

Jan 2022 – Feb 2022

*Technologies: Next, React, Redux, Tailwind CSS, Typescript*

- Redesigned the Medium application using Next.js and TypeScript to create a modern, robust, and scalable platform.
- Managed application state efficiently with Redux and integrated Sanity as a headless CMS for seamless content management.
- Styled the entire user interface with Tailwind CSS to achieve a stunning, fully responsive design, enhancing both visual appeal and functionality.

### GPA Calculator Web App – [gpa-calci.vercel.app](https://gpa-calci.vercel.app)

Mar 2021 – Jul 2021

*Technologies: React, Context API, Tailwind CSS, Javascript*

- Developed a user-friendly GPA Calculator that allows students to input grades and credit hours for instant GPA computation.
- Provides accurate results to help track and manage academic performance efficiently.
- Designed with clarity and ease of use, supporting informed academic planning.

## Languages

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English (**Expert**)   |   Tamil (**Native**)   |   Hindi (**Beginner**)