# Pranay Shaurya

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## SUMMARY

Data-driven Computer Science student with experience building AI-powered products and analytics solutions. Strong foundation in user problem discovery, data analysis, and translating technical capabilities into business impact. Interested in product strategy, growth, and user-centric product development.

## EDUCATION

**Vellore Institute of Technology** – Bachelor of Technology, CSE (Health Informatics).    *Sep 2022 – 2026*
CGPA: 8.16/10.0

## SKILLS

**Product & Business Skills:** Product Thinking, User Research, Data-Driven Decision Making, Metrics Analysis, GTM Support, Market Segmentation.
**Analytics & Tools:** SQL, Excel, Google Analytics, Python (Pandas, NumPy), Data Visualization, Google Analytics.
**Product & Tech Exposure:** Generative AI, RAG Systems, Cloud Platforms (GCP), Database Design
**Soft Skills:** Stakeholder Communication, Structured Problem Solving, Cross-Team Collaboration

## EXPERIENCE

### Generative AI Programs on Google Cloud (Virtual Internship)

• Designed **AI-powered applications** focused on improving user information retrieval and workflow efficiency.
• Analyzed user query patterns to optimize prompt design and response relevance.
• **Translated business** use cases into scalable AI solutions using Vertex AI and Gemini.
• Earned Google Skill Badges in AI Application Development and Prompt Engineering.

### Research – Alzheimer's Disease Detection using Deep Learning

• **Led a 4-member team** to build an AI-based early detection solution for Alzheimer's using **60K+ MRI scans**.
• Defined the problem statement, structured the research roadmap, and coordinated experimentation cycles to improve  model performance to **92% accuracy**.
• Drove model validation and result documentation for real-world applicability in healthcare diagnostics.
• Translated technical findings into structured research insights, resulting in a **Springer-accepted publication**.
• **Took ownership** of end-to-end development — from data preprocessing to evaluation and final reporting.

## PROJECTS

### Retail Sales Analysis — Tools: SQL

• **Analyzed customer purchasing behavior** to identify high-value segments and revenue drivers.
• Derived insights on monthly growth trends and peak sales windows to support inventory and pricing decisions.
• Used SQL-based analysis to recommend data-backed **GTM strategies** and customer retention improvements.
• Built KPI dashboards enabling faster data-driven decisions on revenue growth and customer segmentation.

### AI-Powered Documentation Assistant (RAG System)

• Identified onboarding inefficiencies caused by scattered documentation.
• Built an **AI-powered knowledge assistant** to improve user self-service and reduce dependency on manual support.
• Designed a scalable knowledge **retrieval system** to improve answer relevance and overall user experience.
• Focused on improving information accessibility and **reducing resolution time for users**.

## CERTIFICATIONS

• Google Cloud – Virtual Internship on Generative AI (Certificate Link)
• AWS Academy Graduate – Cloud Foundations (Badge)
• Languages: English (Fluent), Hindi (Fluent), Japanese (Learning)