

# Ankit Kumar

Data & Software — building things that read, reason & render

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## I PROFILE

Currently pursuing **BCA in Data Science**, with hands-on experience in Python, SQL, and Pandas applied to data preprocessing, exploratory analysis, and visualization. Designed and shipped three production applications with PostgreSQL schemas, REST APIs, and AI/LLM pipelines.

## II TECHNICAL SKILLS

Languages	Python, SQL, JavaScript, C, C++
Data & Analytics	Pandas, NumPy, Matplotlib, EDA, Data Cleaning, Feature Engineering, Statistics, Hypothesis Testing
Databases	PostgreSQL, Supabase, SQLite, SQLAlchemy ORM, Schema Design, Query Optimization
BI & Visualization	Power BI, Microsoft Excel (Pivot Tables, VLOOKUP, Power Query), Chart.js
ML & AI	LLM Integration, Prompt Engineering, REST APIs, Generative AI
Web & Tools	Flask, HTML, CSS, Git, GitHub, Jupyter, VS Code

## III SELECTED PROJECTS

### SUITS — Career Intelligence & Analytics Platform

[live](#) [github](#)

Python · Flask · PostgreSQL · Supabase · Chart.js · OpenRouter · Render

- 🛠️ Built and deployed a full-stack analytics platform serving **22 job-role profiles** with personalized skill-gap insights from a curated dataset of 370 problems.
- 🛠️ Designed a normalized PostgreSQL schema on Supabase with Google OAuth, and engineered a multi-provider LLM pipeline with auto-failover across OpenRouter and NVIDIA NIM.
- 🛠️ Crafted an interactive analytics dashboard — mastery rings, activity heatmaps, per-topic skill breakdowns — rendered in Chart.js.

### Crawler — AI Browser Agent with Multi-LLM Orchestration

[github](#)

JavaScript · Chrome MV3 · Service Workers · SSE Streaming

- 🛠️ Built a Chrome extension that performs **multi-step web automation** via LLM tool-calling, extracting structured data from any page.
- 🛠️ Engineered a unified routing layer across **8 LLM providers** with cooldown-based failover, sustaining availability under free-tier quotas.

### Scroll Screenshotter — Browser Automation Utility

JavaScript · Chrome MV3 · Offscreen Document API · JSZip

- 🛠️ Built a Chrome extension that captures full-page screenshots in scroll-step mode and packages the output as a downloadable ZIP through the Offscreen Document API.

## IV EDUCATION & CERTIFICATIONS

J.C. Bose University, YMCA — Pursuing BCA in Data Science · CBSE XII (7.4) · X (7.1)

2024 – 2027 · CGPA 7.9

**Python for Data Science (CS250)** — Saylor Academy ♦ **Data Analytics Job Simulation** — Deloitte (Forage) ♦  
**Generative AI for All** — Microsoft & PhysicsWallah ♦ **Python Skill Up** — GeeksforGeeks (NSU)