

# Aman Kashyap

📍 Jagdalpur, Chhattisgarh    ✉ devaman0110@gmail.com    ☎ 62641 17894    📁 portfolio  
in aman-kashyap-3a4bb7237    🌐 amankas864

## About

---

Versatile and results-driven **Full-Stack Developer** with a strong foundation in building and deploying end-to-end web applications. Proficient in modern front-end frameworks like **Next.js** and **React**, with expertise in crafting user-friendly interfaces. Skilled in developing robust back-end systems using **Node.js** and managing databases like **MongoDB**. Adept at leveraging **DevOps tools** such as **Docker** and **Git** to streamline development lifecycles and ensure system reliability, with a proven ability to deliver efficient and scalable software solutions.

## Education

---

**SRM Institute of Science and Technology**

*B. Tech in Computer Science (Data Science)*

Chennai, India

- GPA: 8.69

*Sept 2021 – May 2025*

## Experience

---

**Data Science Intern**

*InfoBharatInterns*

*Bhopal, MP*

*June 2025 – July 2025*

- **Developed and deployed a machine learning-based sentiment analysis model** that achieved an **87% accuracy** in classifying restaurant reviews as positive or negative, by leveraging Natural Language Processing (NLP) techniques including TF-IDF vectorization and Logistic Regression.
- **Performed comprehensive data preprocessing and feature engineering** on a dataset of **568,454 restaurant reviews**, optimizing data quality and model input, through tokenization, stop word removal, and stemming/lemmatization.
- **Built and integrated a user-friendly web interface using Streamlit** to enable real-time sentiment prediction for new reviews, **reducing manual review classification time by an estimated 70%** and enhancing the practical application of the model.
- **Applied robust model evaluation techniques** to iteratively refine and select the optimal algorithm (Logistic Regression) for sentiment classification, leading to an **5% improvement in precision** over baseline models.

## Projects

---

**Dionysus - Github Repository Tool**

[github link](#) 

- Engineered a full-stack AI codebase intelligence platform using **Next.js**, **TypeScript**, and **Prisma**, capable of processing and generating semantic embeddings for **100+ file codebases** from GitHub repositories.
- Developed an AI-powered code understanding system with **Google Gemini embeddings** and **LangChain** to provide intelligent Q&A, and integrated **AssemblyAI** for real-time meeting transcription and automated summaries.
- Built a highly performant semantic search engine using **PostgreSQL with the pgvector extension**, enabling developers to find relevant code snippets across **1000+ files in milliseconds** with automated indexing.
- Implemented a scalable **credit-based billing system with Stripe**, and integrated team collaboration features for project sharing and access control, supporting a multi-user environment.

**Brainstack - Educational Platform**

[github link](#) 

- Developed a comprehensive educational platform using **Next.js 15**, **TypeScript**, and **MongoDB** to serve **six semesters** of Computer Science curriculum, centralizing **eight distinct content types** for students.

- Built a scalable content management system with **Cloudinary** and **Google OAuth** for role-based access, enabling admins to upload and manage **25GB+** files across multiple categories.
- Engineered a dynamic backend with **Next.js API routes** and **MongoDB aggregation queries** to power secure file uploads and real-time content filtering by semester, subject, and content type.
- Optimized application performance with **Turbopack** and **MongoDB connection pooling**, successfully deploying the production-ready platform on **Vercel** to serve the student community.

## R-Cart

[github link](#) 

- Developed a **full-stack e-commerce platform** using **Next.js**, **Clerk** (for user authentication), and **MongoDB**, integrating a **cart system** and a secure **admin panel** for product management.
- Implemented **background jobs** with **Inngest** and managed product image storage with **Cloudinary** to ensure a robust and scalable solution.
- **Deployed** the complete application on **Vercel**, demonstrating end-to-end development, from building to production.

## Certifications and Tests

---

### 100xDevs Full-Stack Web Development Cohort 2.0

Aug 2024

- Completed a comprehensive full-stack development course, building foundational skills in **JavaScript**, **Node.js**, and **TypeScript** and gaining advanced knowledge of **React** and **Next.js**.
- Acquired expertise in modern back-end development, including **Express**, **ORMs**, and **Monorepo architecture**, while also implementing secure authentication with **Google OAuth**.
- Mastered advanced concepts in **System Design and DevOps**, including **container orchestration with Docker and Kubernetes**, message queues like **Kafka**, and real-time communication with **WebSockets**.
- Developed multiple end-to-end projects, including a **Paytm/Wallet clone** and a **Zerodha clone**, showcasing practical application of skills in building production-ready applications.

### Architecting with Google Kubernetes Engine *Coursera*

March 2024

- Gained in-depth knowledge and practical skills to **deploy, manage, and scale containerized applications** using **Kubernetes** and **Google Kubernetes Engine (GKE)**.
- Mastered fundamental concepts of **container orchestration**, along with best practices for **networking, security, and configuring clusters**.
- Achieved a score of **97.91%**, demonstrating proficiency in using GKE for enterprise-level application management.

### AWS Cloud Practitioner Essentials *Coursera*

Feb 2024

- Completed a comprehensive introduction to **AWS Cloud concepts**, core services, and foundational **architecture best practices**.
- Gained a solid understanding of the **AWS global infrastructure** and its services, including cloud pricing, billing, and account management.
- Achieved a score of **90%**, showcasing a strong foundational knowledge of AWS security, compliance, and cloud deployment.

## Skills

---

**Technical Skills:** JavaScript, Python, C++, Next.js, Express.js, PostgreSQL, MongoDB, Docker, Kubernetes, Jenkins, Terraform, Git, AWS, Redis, Kafka, Prisma, Tailwind CSS.

**Soft Skills:** Analytical, Collaborative, Communicative, Adaptable, Problem-Solver.

## Extra Curricular Activities

---

Karate, Cycling, Badminton, Chess, Basketball