

BHAUMIK SENWAL

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EDUCATION

BTech CSE (AI & ML), K.R. Mangalam University	2027
High School, Kamal Model Sr. Sec. School	2023

TECHNICAL SKILLS

Core CS Languages	Data Structures & Algorithms, OOP, System Design, Distributed Systems
Frontend Eng	Java, Python, JavaScript, TypeScript, SQL
Backend Eng	React.js, Next.js, HTML5, CSS3, Tailwind CSS, State Management
Databases	Node.js, Spring Boot, FastAPI, REST APIs, GraphQL, Microservices, API Design ,Kafka
AI	PostgreSQL, MySQL, MongoDB, Redis, Data Modeling, Database Design, Caching
Tools/Platforms	LLMs, Generative AI, AI Agents, RAG, OpenAI, LangGraph, Tool Calling
	Git, GitHub, Jira, Docker, Kubernetes, CI/CD, Agile/Scrum

PROFESSIONAL EXPERIENCE

SDE Intern Bluestock	May 2025 - June 2025
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- Spearheaded a team of 9 interns to build a production-ready IPO web application and RESTful API using React, Node.js, Kafka, and SQL, enabling tracking of 50+ IPOs with dynamic price bands, listing gains, and reports.
- Optimized backend performance by 40% through efficient SQL queries and Redis caching, improving scalability, response times, and data accessibility.
- Led agile workflows for a team of 9 interns using Git, GitHub, and Jira, achieving 100% on-time delivery and a 30% boost in development velocity.

Data Scientist Intern Zidio Development	June 2025 - August 2025
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- Engineered a vision-language pipeline integrating BLIP for image captioning and UNet for semantic segmentation of 1,000+ images.
- Enhanced multi-modal model accuracy by 25% using vision transformers and encoder-decoder architectures

PROJECTS

AI-Powered Collaborative Document Editor | [Github](#) | [Demo](#)

Developed a collaborative Google Docs-style editor with real-time editing, AI-powered document generation and summarization, role-based access control, and organization-level document management. Implemented commenting, notifications, and export features to streamline content creation and team collaboration.

CICD-AI: Event-Driven Failure Intelligence Platform | [Github](#) | [Live](#)

Engineered an event-driven microservices platform orchestrating Spring Boot, Kafka, Docker, PostgreSQL, and React. Implemented automated build workers, webhook ingestion, and LLM-powered root-cause analysis for real-time CI/CD pipeline failure intelligence.

ACHIEVEMENTS

- TCS CodeVita S13 – Ranked 103 globally
- 4× Hackathon Winner .
- Top 100 India – College Youth Ideathon
- LeetCode 1600+ Rating