

BHAUMIK SENWAL

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EDUCATION

BTech CSE (AI & ML) , K.R. Mangalam University	Expected 2027
High School , Kamal Model Sr. Sec. School (79.2%)	2023

TECHNICAL SKILLS

Core CS	Data Structures & Algorithms, OOP, Systems Software, DBMS, OS
Languages	Java , SQL, C++ , Python, R
Frameworks	PySpark, Databricks (SQL), Power BI, Scikit-learn, React, Pandas
Databases	MySQL, PostgreSQL, Redis, SQLite, Distributed Systems , MongoDB
APIs	RESTful APIs, SOAP, gRPC, Microservices, API Development
Tools/Platforms	Git, GitHub, Docker, CI/CD Pipelines, Azure, Agile Development

PROFESSIONAL EXPERIENCE

SDE Intern Bluestock	May 2025 - June 2025
<ul style="list-style-type: none">• Spearheaded a team of 9 interns to build a production-ready IPO web application and RESTful API, enabling real-time tracking of 50+ IPOs with dynamic price bands, listing gains, and downloadable reports.• Optimized backend performance by 40% through efficient SQL queries, improving scalability and data accessibility.• Led agile workflows for a team of 9 interns, achieving 100% on-time delivery and a 30% boost in development velocity.	
Data Scientist Intern Zidio Development	

Data Scientist Intern Zidio Development	June 2025 - August 2025
<ul style="list-style-type: none">• 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

Multi-Agent System for Stock News Analysis and Twitter Publishing | [Github](#)

Developed an end-to-end automated system that collects, analyzes, and summarizes real-time stock market news . Integrated automated Twitter posting via Selenium, enabling seamless publishing of market insights without manual intervention.

Real-time Sign Language Translation System | [Github](#)

Built an AI-based app converting sign language to speech and vice versa with 89% accuracy using CNN-LSTM. Used OpenCV and MediaPipe for gesture tracking and integrated NLP for context-aware speech.

Employee Retention Prediction | [Github](#)

Developed a machine learning model to predict employee retention using Logistic Regression, Decision Tree, and Random Forest (99% accuracy), with a Streamlit dashboard for live training, EDA, and predictions.

ACHIEVEMENTS

- **Top 100 India – College Youth Ideathon** | [Certificate](#) – Ranked among the top 100 of 15,000+ teams nationwide ideathon.
- **TCS Codevita'25 Round 2 102 global rank**