SAMEER KUMAR

Phone: +91 8618266377 Email LinkedIn GitHub LeetCode

Education

Bachelor of Technology in Computer Science and Engineering	July 2022 – July 2026
Vellore Institute of Technology Bhopal, *Madhya Pradesh*	*CGPA: 8.67*
Higher Secondary Certificate (12th Grade)	April 2022
Ananth Pre-University College, *Bengaluru, Karnataka*	*KSEEB — Percentage: 91.67%*
Secondary School Certificate (10th Grade)	October 2020
Ananth International School, *Bengaluru, Karnataka*	*ICSE — Percentage: 92.8%*

Technical Competencies

Programming Languages: Java, SQL, HTML, CSS, JavaScript, Cpp
Frameworks & Technologies: React.js, MongoDB
Development Tools & Platforms: Git, GitHub, AWS Cloud, Blender, Eclipse, IntelliJ IDEA

Technical Projects

Beer Manufacturing Analytics Platform — *Python, Streamlit, Scikit-learn, Pandas* [GitHub] **August 2025**
- Built ML-powered Streamlit platform processing 10K+ beer batches with 95% accurate anomaly and quality detection.
- Optimized pipeline with caching and parallel processing, reducing load times by 60% and scaling to 1000+ predictions.
- Developed interactive Plotly dashboards for real-time monitoring of 8+ production parameters.

ingreSnap - Ingredient Analysis Tool — *React, TypeScript, Tailwind CSS, Tesseract.js* [GitHub] **November 2024**
- Pioneered OCR-powered ingredient analysis tool empowering consumers with real-time allergen detection and comprehensive nutritional information.
- Collaborated with a 9-member team to deliver a production-ready web app under faculty supervision.
- Achieved 85% precision in ingredient recognition from captured images.

VITsta360 - Virtual Campus Tour — *HTML, CSS, JavaScript, Three.js, Blender* [GitHub] **January 2024**
- Built interactive virtual tour with 360 degree panoramas of 10+ campus locations for 500+ students.
- Implemented 20+ interactive hotspots using Three.js and Blender for immersive 3D visualization.
- Optimized rendering to maintain a steady 60fps across devices.

V-Slot - Academic Scheduling System — *HTML, CSS, JavaScript, Firebase* [GitHub] **January 2023**
- Designed Vslot, a timetable site using Firebase, supporting 14K+ reads and 500+ writes weekly.
- Implemented authentication, real-time data handling, and privacy controls.
- Optimized DB queries and caching to achieve a 23:1 read-to-write ratio and improved performance.

Work Experience

Machine Learning Intern (Remote)	November 2024 – January 2025
iNeuron Intelligence Pvt Ltd, *Bengaluru* *[Certificate]*	

- Developed a plagiarism detection prototype using machine learning techniques for assignment similarity checking.
- Gained hands-on experience in model training, evaluation, and deployment workflows.

Professional Certifications

Industry Certifications: Operations Job Simulation (Goldman Sachs), AWS Academy Cloud Architecting (AWS Academy), Marketing Analytics (NPTEL), DevOps Fundamentals (IBM)
Technical Certifications: Cloud Computing (NPTEL), Computer Networking Fundamentals (Google)

Achievements and Leadership

- **Competitive Programming:** Competed in prestigious hackathons including Adobe, Walmart, Smart India Hackathon and Honeywell Campus connect Hackathon
- **Leadership Experience:** Event Management Coordinator at Blockchain Club, VIT Bhopal
- **Business Development:** Spearheaded strategic planning for FAVAPAY Project with comprehensive market analysis and pitch deck development

Additional Information

Languages: English (Fluent), Hindi (Native), Kannada (Conversational)
Personal Interests: Fitness training, Volleyball, Chess, Sketching