Sameer Kumar

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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, Spring Boot, Three.js, Maven, API, MongoDB, Machine Learning
Development Tools & Platforms: Git, GitHub, AWS Cloud, Blender, Eclipse, IntelliJ IDEA

Technical Projects

Beer Manufacturing Analytics Platform | *Python, Streamlit, Scikit-learn, Pandas* ⊙ — **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* ⊙ — **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* ⊙ — **January 2024**
- Built interactive virtual tour with 360° 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* ⊙ — **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 & 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