

# KRISHNENDU C J

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## OBJECTIVE

B.Tech Computer Science student at VIT Chennai with strong skills in C, C++, DSA, Java, Machine Learning, AI, and web development. Eager to apply my knowledge and problem-solving abilities in a role that challenges me and helps me grow. Passionate about creating practical software solutions and exploring new ideas in Technology.

## EDUCATION

<b>Vellore Institute of Technology, Chennai</b> Bachelor of Technology in <b>Computer Science and Engineering</b>	Sep 2022 – May 2026 <b>CGPA: 8.64/10</b>
<b>Maharishi Vidya Mandir, Chennai</b> Higher Secondary School Certificate	Jun 2020 – Mar 2022 <b>77.80%</b>
<b>Velammal Vidhyashram, Surapet, Chennai</b> Secondary School Certificate	Jun 2012 – Mar 2020 <b>92.00%</b>

## TECHNICAL SKILLS

<b>Programming &amp; Data Tools:</b>	Python, C, C++, Java, NumPy, Pandas
<b>Web &amp; Frameworks:</b>	HTML, CSS, PHP, JavaScript, React.js, Node.js, Streamlit
<b>Databases &amp; Cloud:</b>	MySQL, MongoDB, AWS
<b>Design &amp; Prototyping:</b>	Figma
<b>Soft Skills &amp; Languages:</b>	Communication, Teamwork, Leadership, English, Tamil

## PROJECTS

**PERSONALIZED FOOD RECOMMENDATION SYSTEM:** Developed an ML platform delivering personalized meal plans from user nutrition, weight, height, and diet type. Applied predictive analytics with feature scaling and regression models for accurate recommendations. Designed adaptive algorithms that evolve with user profiles. Enhanced engagement through actionable, tailored dietary suggestions.

**REAL-TIME ANOMALY DETECTION IN SURVEILLANCE SYSTEMS:** Built an AI system using C3D models for real-time anomaly detection in CCTV feeds. Extracted temporal features and analyzed behavior to flag unusual activities. Implemented automated alerts for instant security notifications. Improved monitoring efficiency and reduced response times.

**HOSPITAL MANAGEMENT SYSTEM WITH INTEGRATED DATABASES:** Developed a full-stack system managing patient, doctor, and nurse workflows seamlessly. Integrated appointment scheduling, billing, and pharmacy inventory management. Reduced errors and streamlined hospital operations across departments. Provided a unified interface for staff, patients, and administrators.

**PERSONALIZED FINANCIAL RECOMMENDATION ENGINE:** Built a real-time investment platform using Yahoo Finance data and moving average crossovers. Generated actionable buy/sell signals through algorithmic trading. Incorporated risk assessment for informed investment decisions. Delivered dynamic, personalized financial insights for users.

## CERTIFICATIONS

Microsoft Certified: Azure AI Fundamentals (AI-900)	2024
Internshala Web Development Training	2024

## EXTRACURRICULAR ACTIVITIES

### Member, E-Cell Club, VIT Chennai (2023)

Contributed to organizing workshops and events, including arranging expert talks from industry professionals to foster entrepreneurship and innovation among students.