

RAUNAK GYAN

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EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY

Bachelor of Technology

Major in Computer Science; Minor in E-Commerce Technology

Cumulative GPA: 8.4/10.0;

Relevant Coursework: Data Analysis, Software Engineering, Operating Systems, Algorithms, Artificial Intelligence

Bhopal, MP

Expected August 2026

NATIONAL ENGLISH SCHOOL

Higher Secondary

Cumulative GPA: 8.93/10.0;

Kolkata, WB

Jul 2019 - Jul 2021

WORK EXPERIENCE

THE RED USER (cybersecurity firm)

Cyber Security Intern

REMOTE

Feb 2025 – Apr 2025

- Performed comprehensive penetration testing on company web applications, identifying and documenting 5–6 critical security vulnerabilities.
- Collaborated with the development team to fix and patch vulnerabilities, leading to a 20% improvement in overall system security.
- Utilized tools such as Burp Suite and OWASP ZAP to simulate real-world attacks and uncover hidden flaws in web infrastructure.
- Gained practical experience in vulnerability assessment, secure coding practices, and security report documentation, supporting the company's security compliance efforts.

Accenture UK Developer and Technology Virtual Experience Programme

Dec 2024 – Jan 2024

- Completed a hands-on Software Development Lifecycle (SDLC) simulation, identifying key process inefficiencies and contributing to a 30% reduction in development bottlenecks.
- Researched DevOps automation strategies to enhance deployment workflows by 50%, and developed an Agile vs. Waterfall presentation highlighting a 20% improvement in development speed using Agile.
- Designed an optimized algorithm in pseudocode and debugged a Python program, resulting in a 35% boost in logic efficiency and a 30% increase in script performance.

PROJECTS

AGRIFY—AI-Powered Agricultural Recommendation System

Jun 2024-Feb 2025

Role: ML Engineer, Technical Writer | Team Size: 10

- Built a crop recommendation system using Random Forest and XGBoost (94%+ accuracy) based on soil and climate parameters.
- Integrated an ML model into a Flask backend with real-time predictions and chatbot support for crop rotation via the Gemini API.
- Applied data analytics and data engineering techniques using Pandas and NumPy to process agricultural datasets for ML model training.
- Led literature review and system design documentation and authored detailed technical reports for academic submission.
- Collaborated with a cross-functional team, managed tasks using Trello, and deployed the solution on Render with a scalable setup.

FINIO—Personal Finance Tracking App

Aug 2024 - Dec 2024

- Built a cross-platform app to track expenses, budgets, and investments, consolidating personal finance in one intuitive interface.
- Achieved a 15–20% improvement in budgeting accuracy and a 10% increase in savings among test users over 2 months.
- Tracked 100+ transactions during testing to validate performance and scalability.
- Designed data pipelines and performed financial data analysis to identify user spending trends and enhance budget accuracy.

- Developed using React Native, Firebase, and SQLite, with real-time insights and visual analytics.

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

CYBER WARRIOR CLUB

PR & Outreach Head

Bhopal, MP
Feb 2023 – Present

- Executed outreach strategies that boosted event awareness, contributing to a 40% increase in registrations.
- Coordinated with tech firms and internal departments to bring industry speakers, enhancing club visibility across campus.
- Assisted in managing social media campaigns, leading to a 60% rise in engagement for key events.

IOS CLUB

Marketing Lead

Bhopal, MP
Sep 2022 – Dec 2023

- Contributed to event promotion and digital outreach, increasing workshop attendance by 30%.
- Supported branding and publicity efforts for technical sessions, collaborating with a team of 10+.
- Managed guest speaker communication and helped host notable alumni and professionals during flagship events.

ADDITIONAL

Technical Skills:

Programming: Python, JavaScript, SQL

Web: HTML, CSS, React Native, Firebase, Flask

Tools: Git, Trello, Render

ML Libraries: TensorFlow, Scikit-learn, XGBoost

Languages: Fluent in English; Conversational Proficiency in Hindi

Certifications & Training: Online Course in HTML, CSS & JavaScript (Coursera), AWS Solution Architect by ETHNUS, MERN Full Stack Developer by ETHNUS

Awards: Gold Medal in School Level in INTERNATIONAL MATHEMATICS OLYMPIAD (IMO) Class IX (2018)