

RAUNAK SACHDEVA

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OBJECTIVE

Passionate and results-driven AI/ML student with a strong interest in Cybersecurity and Pen Testing, seeking challenging roles to apply expertise in developing innovative solutions and enhancing system security. Experienced in competitive programming and building impactful projects.

EDUCATION

Bachelor of Technology in AI & Machine Learning, Vellore Institute of Technology (VIT), Bhopal Expected 2027

Relevant Coursework: Machine Learning, Deep Learning, Data Structures & Algorithms, Network Security, Operating Systems, Database Management Systems.

SKILLS

Programming Languages	Python, Java, C++, JavaScript, HTML, CSS
AI/ML	Scikit-learn, TensorFlow, NumPy, Pandas, SVM
Cybersecurity	Penetration Testing (learning), CTF Participation, Network Security
Cloud	AWS, Docker
Databases	MySQL, Firebase
Web Technologies	Flask, ReactJS, NodeJS
Tools	Git, Pillow
Soft Skills	Problem-Solving, Teamwork, Communication, Adaptability, Critical Thinking

PROJECTS

Learnsphere: Interactive & Multi-Modal Educational Platform Created an online tutorial platform with videos, quizzes, and 3D simulations for enhanced engagement and retention. Frontend (HTML/CSS/JS), backend (Python), and MySQL database cater to diverse learning styles. ([GitHub Repository](#))

AgriBot: Farmers' AI Chatbot & Crop Prediction System Developed an AI chatbot recommending crops based on soil data and diagnosing plant diseases via SVM image analysis, promoting precision agriculture. Built with Python, Flask, HTML/CSS/JS, utilizing Scikit-learn and ChatterBot. ([GitHub Repository](#))

NutriAI: Intelligent Diet Optimization and Personalization System Designed an AI-powered system generating tailored diet plans considering user inputs, restrictions, and health goals. Features include data fetching, analysis, recommendations, and progress tracking.

EXTRA-CURRICULAR ACTIVITIES

- Actively participate in **CTFs (Capture The Flags)**, enhancing practical **cybersecurity skills**.
- Consistent **daily problem solver** on **GeeksforGeeks (GfG)** and **LeetCode**, strengthening **data structures and algorithms** knowledge.
- Enthusiastic about **fitness** and maintaining a **healthy lifestyle** through regular **workouts**.

LEADERSHIP

- **Core Member, Social Media and Event Management Team, OWASP VIT Bhopal.**
- Worked in **event management** and **social media engagement** for the **Nature and Trekking Club**, leading a **team of 8 people**.