

# ABHAY S

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## SUMMARY

Abhay S, B.Tech. Computer Science student at VIT Bhopal, CGPA 8.01, 2022-2026, skilled in Python, C++, JavaScript, HTML, CSS, Django. Software Engineering Intern at UL Technology Solutions, Dec 2024 - Mar 2025, built web apps, RESTful APIs. Projects: Face Recognition, Real-Time Emotion Recognition. Strong communicator, problem solver, fluent in English, Hindi and Malayalam.

## EDUCATION

**VIT Bhopal University** **September 2022 – 2026**  
B.Tech. in Computer Science | CGPA: 8.01

## SKILLS SUMMARY

- Programming Languages and frameworks:** Python, C++/C, JavaScript, HTML, CSS, Django REST Framework
- Tools:** MS Excel, Word, PowerPoint, Canva
- Soft Skills:** Strong communication, problem-solving
- Languages:** English, Hindi, Malayalam

## WORK EXPERIENCE

**UL Technology Solutions** | Software Engineering Intern **Dec 2024 – Mar 2025**

- Built 3+ dynamic web applications using Django and Django REST Framework.
- Developed 10+ RESTful APIs enabling seamless integration across multiple platforms.
- Designed authentication systems, optimized 5+ database models, and implemented full-stack CRUD operations with around <500ms average response time.

## PROJECTS

**Smart Poultry Health Monitoring System using IoT and machine learning** **Aug 2024 - April 2025**

- Design and implement a system to automatically detect and notify farmers about sick chickens, **improving early disease detection**.
- IoT sensors** for real-time data collection, machine learning algorithms for health anomaly detection, cloud-based storage and processing.

**Face Recognition System** **June 2023 - July 2023**

- Implemented face detection using the Haar Cascade Classifier.
- Extracted facial features using Local Binary Pattern Histograms (LBPH) for accurate recognition.

**Real-time emotion recognition using a combined WSCNet-GCN model** **Jan 2024 - July 2024**

- Developed a real-time emotion recognition system using webcam feeds with WSCNet and GCN models on the FER2013 dataset (74.6% accuracy), optimized using ADAM, for HCI and mental health monitoring.
- Implemented **OpenCV** for face recognition and emotion classification, enhancing accuracy through contextual understanding and spatial dependence.