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++, Java, JavaScript, HTML, CSS, Django. Software Engineering Intern at UL Technology Solutions, Dec 2024 - Mar 2025, built web apps, RESTful APIs. Interned at Peershala (marketing) and factsomeTV (research). Projects: Face Recognition, Real-Time Emotion Recognition. Certified in Python, Ethical Hacking, Java, Web Development. Strong communicator, problem solver, fluent in English, Hindi, Malayalam.

EDUCATION

VIT Bhopal University   **September 2022 – 2026**

 B.Tech. in Computer Science | CGPA: 8.01

SKILLS SUMMARY

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

WORK EXPERIENCE

TECHNICAL

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 <200ms average response time.

NON-TECHNICAL

Peershala | Social Media Marketing Intern   **Jul 2023 – Aug 2023**

- Boosted social media engagement by 10% through targeted content creation and trend analysis.
- Scheduled and managed 50+ posts; performed analytics reporting using Meta Insights and Canva.

factsomeTV | Research and Development Intern   **Mar 2023 – May 2023**

- Researched and analyzed 30+ trending topics across tech and culture, improving content relevance by ~10%.
- Contributed to strategic content planning that led to a 10% increase in audience interaction.

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.
- Focused on community poultry farms within a 100 km radius of VIT Bhopal.

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 real-time emotion recognition systems using **live webcam feeds** for human-computer interaction and mental health monitoring.
- Utilized **WSCNet and GCN** neural network models on the **FER2013** dataset, achieving an accuracy of **74.6%**, and optimized the system with the ADAM optimizer.
- Implemented **OpenCV** for face recognition and emotion classification, enhancing accuracy through contextual understanding and spatial dependence.

CERTIFICATIONS

- **Python Essentials** – VITyarthi, 2023
- **Ethical Hacking: Introduction to Ethical Hacking** – LinkedIn Learning, 2023
- **Learning Java** – LinkedIn Learning, 2023
- **The Web Developer Bootcamp** – Udemy, 2024