Abhay S

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PROFESSIONAL SUMMARY

Computer Science undergraduate (B Tech, CGPA 7.85) from VIT Bhopal with over a year of experience in full-stack development and RESTful API design. Expertise in Python, Django, and JavaScript, demonstrated through an internship as a Software Engineer at UL Technology Solutions. Developed scalable web applications and enhanced backend systems, showcasing strong software engineering and problem-solving skills. Multilingual, with proficiency in English, Hindi, and Malayalam, and focused on creating impactful technology solutions in AI, IoT, and web development.

SKILLS

- Programming languages: Python, C/C++, Java, JavaScript
- Web development: HTML/CSS
- Frameworks: Django REST
- Databases: SQLite, PostgreSQL
- Data structures and algorithms
- AWS
- node-red
- git for version control
- Full-stack development

EXPERIENCE

Software Engineering Intern, UL Technology Solutions, December 2024-March 2025

- Developed and deployed 3+ full-stack web applications using Django and Django REST Framework.
- Built and integrated 10+ RESTful APIs with <500ms response time for real-time client data sync.
- Engineered secure authentication systems and optimized database schema (5+ models) for performance.
- Improved UX through responsive UI implementation and dynamic content rendering.

EDUCATION

Bachelor of Technology (2022-2026)
Computer Science and Engineering: VIT Bhopal University, Bhopal
GPA: 7.85/10

PROJECTS

Smart Poultry Health Monitoring (IoT + ML) | *Aug 2024 – Apr 2025*

- Designed and deployed an IoT-ML system for poultry disease detection, integrating real-time sensor data collection, cloud-based processing, and automated health alerts for early intervention.

Face Recognition System | *Jun 2023 – Jul 2023*

- Developed a face recognition application using Haar Cascade and LBPH algorithms in OpenCV, achieving accurate, lowlatency real-time recognition.

Emotion Recognition (WSCNet + GCN) | *Jan 2024 – Jul 2024*

- Built a webcam-based real-time emotion detection system, achieving 74.6% accuracy on the FER2013 dataset using WSCNet-GCN architecture with ADAM optimization and spatial dependency modelling via GCN.

MediCompare | *May 2025*

- Created a Django-based platform for detailed homeopathy medicine study and comparisons, enabling advanced search and cross-referencing; adopted by 1,000+ monthly users.

Snoof | *Jun 2025 – Aug 2025*

- Developed a collaborative web platform enabling distributed teams to track, assign, and resolve project issues in real time.