ABHAY THAKUR

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SUMMARY

Final-year Computer Science student with hands-on **DevOps** experience in deploying production-grade solutions. Proficient in cloud platforms (**AWS**), containerization (**Docker/Kubernetes**), and **CI/CD pipelines (Jenkins, Ansible)**. Skilled in infrastructure automation, Linux environments, and **networking fundamentals**. Experienced in **Nginx configurations** for dynamic applications and monitoring setup. Strong collaboration skills with expertise in scalable system integration via RESTful APIs and **Python** development.

EDUCATION

B.Tech in Computer Science (Software Engineering)
C.V. Raman Global University, Bhubaneswar, India — Oct 2022 – May 2026
- Awarded **SII Full Scholarship** (Ministry of Education, Govt. of India).

Higher Secondary, Science Stream
National Infotech College, Birgunj, Nepal — Sep 2020 – Oct 2022
- CGPA: 3.24/4.0

Secondary Education (10th Grade)
Om National Academy, Birgunj, Nepal — Apr 2019 – Aug 2020
- CGPA: 3.90/4.0

SKILLS

- **Programming Languages:** Python, Java
- **Infrastructure as Code (IaC):** Terraform
- **Automation:** CI/CD Pipelines, Jenkins, Ansible
- **Cloud & Containerization:** AWS, Docker/Kubernetes, Linux
- **Version Control System**: Git(GitHub/GitLab)
- **Monitoring & Logging:** Prometheus, Grafana
- **Networking & Web Infrastructure:** Nginx, DNS, TCP/IP, HTTP
- **APIs & Integration:** RESTful APIs (Spring Boot, Flask)
- **Databases:** MySQL
- **Soft Skills:** Problem Solving, Team Leadership, Strategic Planning, Communication, Collaboration

WORK EXPERIENCE

AI Intern — May 2024 – July 2024
Infosys Springboard

- Built a **web app** to detect plant diseases using Python and TensorFlow, achieving 94% accuracy and improving farmers' decision-making speed by 20%.
- Resolved dataset imbalance via data augmentation, enhancing model robustness by 20%.
- Integrated ML model for disease classification and treatment recommendations, reducing diagnostic time by 25%.
- Implemented non-leaf image detection, improving error tolerance by 15% through validation checks.

- Collaborated cross-functionally to optimize app performance and UX design.

PROJECTS

Brain Tumor Detection (Python, TensorFlow, Flask) (GitHub)

- Created AI-powered web app with 94% accuracy on 5,000+ MRI scans, reducing radiologist review time by 35%.
- Integrated treatment recommendations to accelerate medical decisions by 25%.

Hospital Management System (Java, Swing, MySQL) (GitHub)

- Developed desktop app for patient/staff management, reducing data access time by 55% and manual errors by 28%.
- Designed modular user interfaces following Object-Oriented Programming (OOP) principles, improving administrative efficiency by 40%.

EXTRA-CURRICULAR ACTIVITIES

- Taught **40+ underprivileged children** basic computer skills, improving digital literacy by **60%** at a local community center.

ACHIEVEMENTS

- Completed **Infosys Springboard Internship** with focus on AI and web development(2024).