

Ashish Gautam

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EDUCATION

Guru Ghasidas University

Bachelor of Technology in Computer Science and Engineering; CGPA: 8.0/10

Bilaspur, Chhattisgarh

Aug. 2023 – June 2027

EXPERIENCE

Technical Developer

Sept. 2025 – Present

Thesisly

Remote

- Architected and deployed production-grade AI models, reducing inference latency by **40%** through optimization techniques including model quantization and caching strategies
- Improved model accuracy by **15%** via systematic hyperparameter tuning and ensemble methods for research-grade applications serving **1,000+ active users**
- Implemented automated testing pipelines achieving **95% code coverage**, reducing deployment bugs by 60% and accelerating release cycles

Frontend Developer Intern

Dec. 2025 – Present

Adcuesta

Remote

- Engineered responsive, production-ready interfaces using Next.js and React, improving page load times by **30%** through code-splitting and lazy loading optimization
- Enhanced user engagement metrics by **25%** by implementing intuitive UI/UX patterns and interactive components based on user analytics
- Collaborated with cross-functional teams to deliver **5+ feature releases** on schedule, contributing to 20% growth in platform user base

PROJECTS

SmearVision AI | Python, PyTorch, timm, Optuna, OpenCV | GitHub

Apr 2025 - Jan 2026

- Developed ensemble deep-learning pipeline combining **4 state-of-the-art architectures** (ResNet50, EfficientNet-B2, DenseNet121, ViT) for Multiple Myeloma detection, achieving **100% sensitivity** and **0.867 F1-score** on 1,615 clinical plasma cell images
- Implemented patient-aware data splitting preventing data leakage and LAB color normalization, ensuring robust generalization across 10 patients with 70/15/15 train/validation/test distribution for clinical validity

AI-Powered Essay Grader | Python, PyTorch, LoRA, Hugging Face | GitHub

Jan 2025 - Sep 2025

- Fine-tuned Phi-3-mini (3.8B parameters) using LoRA on **10,000+ essay samples**, achieving **85% agreement rate** with human graders while generating structured feedback and scores
- Optimized model size by **75% via 4-bit quantization**, enabling deployment on consumer hardware with 2GB VRAM while maintaining 90% of original accuracy

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C++, SQL, HTML/CSS

Libraries & Frameworks: Next.js, React, Node.js, Express.js, Flask, FastAPI, PyTorch, TensorFlow, Hugging Face, Optuna, OpenCV, LoRA, timm, scikit-learn

Developer Tools: Docker, Kubernetes, Git, GitHub Actions, VS Code, Postman, CI/CD Pipelines, PostgreSQL, MongoDB, MySQL, Redis

ACHIEVEMENTS AND LEADERSHIP

National Winner, Smart India Hackathon 2025: Awarded **ISRO's Quantum Frontiers Award** among 15,000+ participants for engineering quantum-secure email system using post-quantum cryptography, potentially securing communications for 100,000+ users

Head of Operations, Google Developer Group on Campus (GDGC-GGV): Spearheaded event strategy and logistics, coordinating **20+ technical events annually** with 500+ cumulative attendees and increasing event attendance by **45% year-over-year** through targeted marketing and community outreach

Active Problem Solver: Solved **200+ algorithmic problems** on GeeksforGeeks and LeetCode, maintaining consistent practice in data structures, algorithms, and competitive programming