

ASHISH GAUTAM

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OBJECTIVE

Aspiring Software Developer with a strong foundation in Python and full-stack development. Currently pursuing BTech (3rd Year) with hands-on experience in building scalable web applications and AI-driven systems. Seeking SDE Internship or entry-level developer roles to apply and grow technical skills.

EDUCATION

B.Tech in Computer Science and Engineering, Guru Ghasidas University 2023 – Present (Expected 2027)

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Web Development, DBMS, Computer Networks

CGPA: 8/10

SKILLS

Programming Languages

Python, JavaScript, HTML, CSS, C++

Libraries/Frameworks

React.js, Node.js, Express.js, Bootstrap, Flask

DevOps Tools

Docker, Kubernetes

Developer Tools

Git, GitHub, Firebase, VS Code, Postman, RapidAPI

Soft Skills

Problem-solving, Communication, Team Collaboration, Self-learning

Other Skills

Team Building, Content Writing

PROJECTS

Resume-Based Internship Finder — Built a web tool to parse resumes and recommend relevant internships using RapidAPI's Indeed clone. Designed a **React.js frontend** and a **Node.js backend** to compute TF-IDF similarity scores for accurate internship ranking. *Technologies: React.js, Node.js, RapidAPI*

AI-Powered Essay Grader (Phi-3 + LoRA) — Fine-tuned Phi-3-mini with LoRA adapters to automatically grade multi-subject student answers, generating structured feedback and rubric-based scores, optimized via 4-bit quantization for efficient deployment. *Technologies: Python, PyTorch, LoRA, BitsAndBytes, Hugging Face*

Intelligent Kubernetes Pod Scheduler — Developed an AI-driven pod scheduling system using **Microsoft's Phi-3 language model** to select optimal nodes based on real-time cluster metrics. Integrated Dockerized microservices with Kubernetes APIs for fully automated orchestration and improved cluster efficiency. *Technologies: Docker, Kubernetes, Python, Phi-3*

EXPERIENCE

Hackathon & Community Engagements

2023 – Present

- **Finalist, Smart India Hackathon 2025**, developing a quantum secure email platform.
- Contributed to the **Google Solution Challenge**, building applications aligned with UN Sustainable Development Goals.
- Serving as **Head of Operations, GDGC-GGV**, managing event coordination, project operations, and community engagement.

EXTRA - CURRICULARS

- Actively practicing DSA through platforms like GeeksforGeeks and LeetCode to strengthen problem-solving skills.
- Conduct regular peer-learning sessions on full-stack workflows, AI integration, and cloud-native development.