AYUSHMAN RAY

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LeetCode

EDUCATION

B. Tech in Computer Science and Engineering   Sept 2022 - Present
Vellore Institution of Technology   CGPA: 8.36

TECHNICAL SKILLS

Languages: Python, Java, SQL, HTML
Tools: MS Office, Linux, Visual Studio Code, Canva, Google Colab, Flask

EXPERIENCE

Software Intern – Tonbo Imaging   Nov 2024 – Jan 2025
Achieved 23% improvement in Linux kernel boot speed (35ms to 27ms) through systematic analysis of system bottlenecks and implementation of targeted memory and configuration optimizations under technical mentorship
Executed comprehensive kernel performance tuning, identifying 8+ critical bottlenecks and deploying solutions that enhanced startup performance by 23% and improved power efficiency by 15% across embedded system platforms
Gained expertise in low-level system optimization, working directly with kernel parameters and boot sequences to deliver quantifiable performance improvements while maintaining system stability

Backend Development Intern — Staychat AI   **Nov 2025 - Present**
Architected and deployed WhatsApp Business API integration using FastAPI and Meta's webhook system, enabling real-time conversational AI for multi-property hotel management with automated booking workflows
Implemented hybrid AI model combining Google Dialogflow and Gemini API for intelligent query routing, achieving seamless fallback mechanisms between rule-based and generative AI responses for enhanced customer interactions

Cyber Security & Ethical Hacking Intern — SparkIIT   **Dec 2025 - Present**
Participating in intensive project-based cybersecurity training covering ethical hacking, penetration testing, and digital forensics

ACHIEVEMENTS - PATENT

Led cross-functional development team of 5 engineers to co-create "Cool Veil" smart cooling jacket, securing intellectual property rights and delivering a functional prototype that reduced ambient temperature by 12-18℃ within 3 minutes of activation (Application No. 13269/2025-CO/SW, Filed: 07/04/2025)

EXTRA-CURRICULARS

DSW Office Member December 2022 - August 2025, Managing Editor Team (Monthly Newsletter), April 2023 - June 2023.
Led end-to-end event planning and execution for EV Club's flagship "ROBOX 1.0" workshop (Sept 2023), managing logistics for 80+ participants, securing industry expert speakers, and facilitating practical EV construction sessions using Arduino-based development kits.
Managed technical operations for AdVITya 2025 (3-day college fest), supervising 40+ technical events, resolving real-time technical difficulties, and ensuring zero major disruptions through systematic workflow monitoring and rapid response protocols.

POSITION OF RESPONSIBILITY

Technical Secretary – Student Council – VIT Bhopal University   Aug 2024 – Aug 2025
- Managed 40+ technical clubs, chapters, and communities, overseeing event planning, resource allocation, and end-to-end execution
- Coordinated post-event reporting with comprehensive documentation across Excel data consolidation, presentations, and official college materials across multiple platforms
- Acted as primary liaison between technical clubs and administration, managing communication and streamlining operations
- Supported freshman orientation and handled technical documentation for university-wide activities

Technical Lead – GSoC Innovators Club – VIT Bhopal University   Jan 2025 – July 2025
- Spearheaded organization and execution of "Summer of CodeFest '25," the club's inaugural hackathon impacting 100+ participants
- Led technical sessions on GitHub and version control for 100+ participants; mentored teams throughout the 2-day event
- Coordinated with cross-functional teams including anchors, quiz coordinators, and backend support to ensure seamless event delivery

CERTIFICATES

AWS- Getting Started with Data Analytics on AWS	Aug 2023
AWS- Introduction to Machine Learning on AWS	Jun 2023
Johns Hopkins University- A Crash Course in Data Science	Jun 2023