

ABHISHEK HIREMATH

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LinkedIn GitHub LeetCode CodeChef Portfolio

Education

- **Siddaganga Institute of Technology** Tumkur, Karnataka
Bachelor of Engineering in Computer Science & Engineering (CGPA: 8.43/10) Oct 2023 – May 2027
Relevant Coursework: Data Structures & Algorithms, DBMS, Operating Systems, Machine Learning, NLP

Technical Skills

- **Programming Languages:** Python, Java, C, C++, JavaScript
- **Backend & Web:** FastAPI, Flask, Node.js, Express, React, HTML5, CSS3, Tailwind CSS
- **Python Libraries:** NumPy, Pandas, Matplotlib, Seaborn
- **Databases & Tools:** PostgreSQL, Git, GitHub, VS Code, Vercel, Render
- **Specializations:** Backend Development, Data Structures & Algorithms, AI/ML

Projects

Sparsha – AI-Powered Animal Emergency & Adoption Platform [GitHub](#)

FastAPI, Python, PostgreSQL, React/Next.js, Tailwind CSS, AI-based image processing

- Developed a full-stack platform enabling users to report injured or stray animals via image and location, triggering real-time alerts to nearby volunteers and veterinarians
- Implemented adoption listings and a *Compassion Coins* reward system to encourage community-driven animal welfare actions
- Selected among **Top 100 teams out of 12,000+ participants** in Samsung *Solve for Tomorrow 2025*

Money Muling Network Detection using Graph Theory [GitHub](#)

Next.js 16, React 19, TypeScript, Cytoscape.js, Node.js, Express, Tailwind CSS

- Co-developed a graph-based money laundering detection system in a 4-member team; contributed to backend detection pipeline
- Engineered flagging algorithms: DFS cycle detection (Johnson variant), 72h sliding-window fan-in/fan-out, BFS shell chain detection, and suspicion scoring

Experience & Leadership

Chief Designer December 2024 – Present

SIGMA Newsletter Club, Department of CSE

- Led design initiatives for technical publications reaching 500+ students, improving engagement by 30%
- Coordinated departmental events including seminars, contests, and annual fest "BROWSE"

Marketing Team Member November 2023 – September 2025

TEDx Siddaganga Club

- Led promotional campaigns and partnerships, increasing event attendance by 25%
- Managed social media strategy, content calendar, and outreach across campus channels

Achievements & Certifications

- **Top 24 Team Semifinalist** – HALLUCINATE – Get High on AI, presented by Mesa x Emergent
- **Top 50 Finalist** – The Great Bengaluru Hackathon (Top 50 out of 4,500+ teams)
- **Competitive Programming:** 350+ problems solved across LeetCode, CodeChef, and GFG
- **Certifications:** IBM – Getting Started with Artificial Intelligence; Infosys Springboard – Learning Python for Data Science

Additional Information

- **Languages:** English, Hindi (Fluent), Kannada (Native)
- **Interests:** Open-source contribution, building side projects, exploring new frameworks