

# 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