

## Contact

1300 3rd Avenue South  
(205)-356-9543 (Mobile)  
mahirpatel3107@gmail.com

[www.linkedin.com/in/mahir31](https://www.linkedin.com/in/mahir31)  
(LinkedIn)

## Top Skills

Full-Stack Development  
Software Development  
Artificial Intelligence (AI)

## Certifications

CRLA Level-I Certification

# Mahir Patel

Applied AI & Software Development | Full-Stack Web | Open to Opportunities

Birmingham, Alabama, United States

## Summary

I'm a Master's student in Computer Science at the University of Alabama at Birmingham who genuinely enjoys turning ideas into working software. I'm most energized when breaking down complex problems, designing clean solutions, and building systems that scale in the real world. For me, coding is less about syntax and more about thoughtful problem-solving and engineering things the right way.

I have hands-on experience across full-stack development, backend systems, and data-driven applications, with a growing focus on applied AI and intelligent systems. I enjoy working close to the core of software—designing APIs, structuring databases, optimizing performance, and integrating machine learning components into real products.

Previously, I completed a Software Developer Internship at Dolphins Web Solution, where I worked on full-stack web applications using React.js, Node.js, and MongoDB. I contributed to RESTful API development, collaborated with senior engineers to optimize backend performance, and improved application response times through efficient data handling, debugging, and performance-focused improvements.

Beyond internships, I've built and deployed multiple projects from the ground up, including a vehicle rental web platform, an OCR-based smart pantry tracker, and a distributed mini-blockchain system focused on scalability and fault tolerance. These projects pushed me to deeply understand system architecture, databases, concurrency, and distributed systems rather than just making things “work.”

Alongside development, I've explored deep learning and modern AI paradigms, including neural network-based models and early-stage work with agentic AI systems. I'm particularly interested in how intelligent models can be embedded into software systems to automate decision-making, enhance user experiences, and solve real-world problems at scale.

In addition to development work, I serve as a Computer Science Tutor at UAB, mentoring students in Python, Java, and algorithms.

Teaching has strengthened my fundamentals, improved my ability to reason through problems clearly, and reinforced best practices in software design and collaboration.

My interests include full-stack development, backend engineering, distributed systems, applied AI/ML, deep learning, and blockchain technologies. I'm currently seeking full-time Software Developer or AI-focused engineering opportunities where I can contribute to impactful products, learn from experienced engineers, and continue growing as a builder and problem solver.

If you value engineers who car

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## Experience

University of Alabama at Birmingham

9 months

Computer Science Tutor - TRIO STEM-H Program

August 2025 - Present (7 months)

United States

Supported students in understanding computer science and STEM concepts through clear explanations and personalized guidance.

Encouraged critical thinking, study skills, and confidence by connecting coursework to real-world applications.

Created a welcoming learning environment that helped students stay engaged and motivated in their academic journey

Computer Science Tutor - Athletic Department

June 2025 - Present (9 months)

United States

Helped student-athletes understand computer science concepts through clear explanations and real-world examples.

Supported their academic growth by encouraging problem-solving, building confidence, and creating a positive learning environment

Dolphine Web Solution Pvt. Ltd.

Software Developer Internship

November 2023 - December 2024 (1 year 2 months)

Ahmedabad

1) Developed a dynamic web application using JavaScript, improving user experience.

- 2) Assisted in debugging and resolving UI issues, ensuring smooth functionality.
- 3) Collaborated with a team to enhance software performance and meet project deadlines.
- 4) Gained hands-on experience in full-stack development and bug resolution.

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## Education

University of Alabama at Birmingham

Master's degree, Computer Science · (September 2024 - May 2026)

GLS University

Bachelor of Science - BS, Information Technology · (July 2021 - May 2024)

GLS University

Bachelor's of Science , Information Technology · (August 2021 - May 2024)