

Mugdha Patil

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EDUCATION

Purdue University, West Lafayette <i>B.S. Computer Science Honors: Wilke Award Recipient & Scholarship</i>	Aug. 2024 – May 2027 <i>West Lafayette, IN</i>
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EXPERIENCE

Software Engineering Intern <i>Aptos Labs</i>	Spring 2026 <i>Palo Alto, CA</i>
<ul style="list-style-type: none">• Incoming SWE Intern at Aptos Labs, building the Aptos blockchain	
Co-Founder & Developer <i>Stax Trading stax.so</i>	May 2025 – Present <i>West Lafayette, IN</i>
<ul style="list-style-type: none">• Developed a real-time crypto trading simulator with leverage trading, portfolio creation, and tournaments; onboarded 14+ university blockchain clubs as paying customers• Architected full-stack on Next.js, TypeScript, MongoDB, Redis; built multi-exchange market feed ingestion for accurate price simulation as a Progressive Web App	
Developer Lead <i>Boiler Blockchain https://boilerblockchain.org</i>	June 2025 – Present <i>West Lafayette, IN</i>
<ul style="list-style-type: none">• Leading a 40+ developer team with 10+ hackathon wins; secured grants and bounties worth \$15,000+ from Solana, Eigen Layer, and MOI Labs	
Blockchain Course Undergraduate TA <i>Purdue ECE Department Principles and Practices of Blockchain</i>	Jan. 2025 – Present <i>West Lafayette, IN</i>
<ul style="list-style-type: none">• Mentored 40+ students in cryptographic concepts, smart contract development, and dApps using Solidity, Ethers.js, Foundry, and Hardhat	
Head of Outreach and Programs <i>InnovateHer https://innovateherhacks.org</i>	May 2025 – Present <i>West Lafayette, IN</i>
<ul style="list-style-type: none">• Leading hackathon planning for 250+ participants empowering women in tech; secured \$40,000 in sponsorships from Lockheed Martin, L3Harris, Chamberlain Group, and Caterpillar	
ML Research Assistant <i>VRAI Lab https://www.vrai-lab.com</i>	Jan. 2025 – Sept. 2025 <i>West Lafayette, IN</i>
<ul style="list-style-type: none">• Received Wilke Award (\$500 scholarship); built ML pipelines using Topic Modeling (LDA, HDP) to analyze academic PDF collections, extract topics, and visualize research trends	

PROJECTS

tmap <i>Winner, Base (EVM) Track – Midwest Blockchain Conference 2025</i>	May 2025
<ul style="list-style-type: none">• Web3 app converting food discoveries into tradeable ERC1155 tokens with GPS-verified staking and bonding curve pricing; built with Next.js, Solidity, Farcaster SDK, gasless via Coinbase Paymaster (\$2,500 Prize)	
Agentica <i>Winner, EthGlobal Buenos Aires 2025</i>	Nov. 2025
<ul style="list-style-type: none">• AI trading agent that executes strategies based on market sentiment and world news; built with Eliza OS, Coinbase Wallets, Graph Protocol. Awarded Best Use of Graph for AI (\$2,000 Prize)	
Eigenx402 <i>Eigen Layer Grant Program npm package</i>	Nov. 2025
<ul style="list-style-type: none">• Production-ready payment gateway integrating EigenAI with Coinbase x402 protocol for crypto-based pay-per-use AI inference; published as open-source npm package	
AnyPay <i>Winner, EthGlobal NYC 2025</i>	Aug. 2025
<ul style="list-style-type: none">• Cross-chain expense settlement platform with Next.js, MongoDB, Solidity; seamless onboarding via Coinbase Embedded Wallets. Awarded Best Use of Chainlink CCIP (\$2,000 Prize)	

TECHNICAL SKILLS

Languages: Solidity, TypeScript, JavaScript, Python, Java, SQL, Move
Technologies: Node.js, Express, MongoDB, PostgreSQL, Redis, AWS, Ethers.js, Next.js, React.js, Tailwind CSS, Hardhat, Foundry, Wagmi, Coinbase SDK, ERC20/721/1155, PyTorch, TensorFlow, scikit-learn, NLTK, spaCy, pandas, NumPy