

Mugdha Patil

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EDUCATION

Purdue University, West Lafayette

B.S. Computer Science | Honors: Wilke Award Recipient & Scholarship

Aug. 2024 – May 2027

West Lafayette, IN

EXPERIENCE

Software Engineering Intern

Aptos Labs

Spring 2026

Palo Alto, CA

- Incoming SWE Intern at Aptos Labs, building the Aptos blockchain

Co-Founder & Developer

Stax Trading | stax.so

May 2025 – Present

West Lafayette, IN

- 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

Boiler Blockchain | <https://boilerblockchain.org>

June 2025 – Present

West Lafayette, IN

- 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

Purdue ECE Department | Principles and Practices of Blockchain

Jan. 2025 – Present

West Lafayette, IN

- Mentored **40+ students** in cryptographic concepts, smart contract development, and dApps using Solidity, Ethers.js, Foundry, and Hardhat

Head of Outreach and Programs

InnovateHer | <https://innovateherhacks.org>

May 2025 – Present

West Lafayette, IN

- 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

VRAI Lab | <https://www.vrai-lab.com>

Jan. 2025 – Sept. 2025

West Lafayette, IN

- 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 | **Winner**, Base (EVM) Track – Midwest Blockchain Conference 2025

May 2025

- 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 | **Winner**, EthGlobal Buenos Aires 2025

Nov. 2025

- 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 | *Eigen Layer Grant Program* | [npm package](#)

Nov. 2025

- 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 | **Winner**, EthGlobal NYC 2025

Aug. 2025

- 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