

# Ibrahim Abdullah

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*A hard-working fintech and AI-oriented scholar with high aspirations to meet and to exceed career goals by incorporating a balanced understanding of science, technology, and knowledge for action.*

## EDUCATION

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### Purdue University

May 2025

*Degree: Bachelor of Science, Major: Computer Engineering, Minors: Math and Economics*

West Lafayette, IN

*Relevant coursework:* Data structures and Algorithms, Artificial Intelligence, Computer Security, Microcontrollers, Advanced C programming, Python for Data Science, Digital Design, Signals and Systems

*Skills and Qualifications:* Python, C, C++, Java, HTML, React, Git, AI/ML, Blockchain, SystemVerilog, JavaScript

## PROFESSIONAL EXPERIENCE

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### Headstarter AI

July 2024 – Present

*Fellow* *Remote*

- Developed and launched five AI-driven projects, including a final project aimed at reaching over 1000 users, demonstrating expertise in AI technologies and real-world application development.
- Participated in five weekend hackathons, collaborated with peers on innovative solutions, and received mentorship from experienced software engineers, enhancing technical skills and teamwork abilities.

### Goldman Sachs Virtual Insight Series

May 2024 – July 2024

*Apprentice*

*Remote*

- Engaged in comprehensive virtual workshops, gaining insights into financial markets, investment strategies, and industry trends
- Networked with Goldman Sachs experts, developed analytical and problem-solving skills through case studies and real-world scenarios

### AT&T Technology Academy

May 2024 – July 2024

*Apprentice*

*Remote*

- Acquired advanced knowledge in telecommunications technologies, including AI, 5G, IoT, and cloud computing
- Worked on collaborative projects, applying innovative solutions to real-world technology challenges, and developed proficiency in software development and network engineering

### Sponsors for Educational Opportunity

March 2023 – March 2024

*Tech Developer Intern*

*Remote*

- Completed 300+ hours of rigorous computer science and software engineering training focused on full-stack development, data structures, and algorithms.
- Gained software development expertise by working in SCRUM-like teams to implement and test full-stack applications using Python (Flask), MySQL, HTML, JavaScript, CSS, and API.
- Participated in long-term preparation and mentorship program to develop professional skills.

### BITCOIN PRIVATE (Crypto-currency startup)

June 2018 – June 2021

*Intern Analyst*

New York, NY

- Served as business advisor and assistant to legal counsel for exchange account troubleshooting and played a key role in the core team to help launch startup publicly.
- Assisted in the validation of Blockchain ideas, privacy technologies, and legal implications for digital currencies.
- Monitored Blockchain network and helped with the logistics of mining Bitcoin Private.

## PROJECTS

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### AI-Trading Bot

May 2024

- Utilized machine learning for sentiment analysis and technical indicators to execute trades based on market news and moving average crossovers.
- Back tested the strategy using Yahoo Finance data and Alpaca API, optimizing trading performance and risk management over a four-year period

### AES Encryption/Decryption Program

February 2024

- Implemented key scheduling, byte substitution, and state array transformation for secure data encryption and decryption using 128-bit and 256-bit AES standard
- Utilized Galois Field arithmetic for efficient implementation of AES transformations, ensuring robust and high-performance cryptographic operations

### ETHGlobal Hackathon (Project: SOHO)

September 2023

- Participated in a 72-hour hackathon sponsored by the Ethereum foundation.
- Built and developed web3 application of an API marketplace.
- Won \$3200 in prize from various partners such as XMTP, NounsDAO, TheGraph, SCROLL, and WalletConnect.