Ashmit Shrivastava

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EDUCATION

University of Michigan College of Engineering Ann Arbor, MI
BSE in Computer Science, Minor in Mathematics *Expected Graduation: May 2028*

- **Cumulative GPA:** 4.0/4.0
- **Relevant Coursework:** E-Comm Entrep, Discrete Math, Programming & Data Structures, Intro to Engineering
- **Extracurricular Involvement:** Co-writing "AI Landscape Basic to Advance" journal with Prof. Pravin Chopade

Troy High School Troy, MI
Graduated Summa Cum Laude *Augsut 2020 - May 2024*

- **Cumulative GPA:** 4.33/4.0
- **Relevant Coursework:** Calculus III, Linear Algebra, AP Physics C Mech + E&M, AP Calculus BC, AP Statistics, AP Macroeconomics, AP Microeconomics
- **Honors & Awards:** DECA SCDC 1st Place (2023, 2024) + ICDC Finalist (2023), HOSA ILC Qualifier (2023, 2024), TSA State TEAMS 1st (2023, 2024), TSA State Coding 4th (2023), Michigan Swimming Class of 2024 Top 100
- **Extracurricular Involvement:** USACO Gold Division, ~100 LeetCode problems solved, Built several web-app clones (Facebook, Instagram, Whatsapp, etc), DECA Chapter President, HOSA State President Candidate, TSA Outreach Lead, MICS President, Detroit Education Society President, Balbharati President

EXPERIENCE

TradeX Troy, MI
Founder & Developer *September 2023 - Present*

- Created a trading bot using Python from scratch, leveraging advanced technical analysis and algorithmic trading principles, including Support/Resistance, Bollinger Bands, etc; used historical data from weekly, daily, 5 minute charts, and real-time stream data, achieving consistent 3% monthly returns with a robust 40% trade success rate
- Integrated trading bot with Interactive Broker TWS API post broker acquisition transitioning from thinkorswim to Interactive Broker for consistent API support, advanced quant tools, and stable servers; rewrote parts of bot in C++ to enhance performance, achieving a 20% increase in trade execution speed and improved overall algorithm stability
- Conducted daily Profit/Loss Analysis to refine trading strategies; manipulated numerical formulas and ratios based on the bot's performance data, using Python and libraries such as TWS and Pandas, Engaging in extensive trial and error to optimize the bot's performance, improving trading strategies and enhancing the bot's overall effectiveness

HELAU LLC Troy, MI
Founder & Developer *July 2023 - January 2024*

- Engineered comprehensive B2B and B2C ChatBot solutions using Pandas, NLTK, TensorFlow, and Firebase, successfully generating $5,000 in revenue in just under 6 months through strategic client acquisition initiatives
- Customized ChatBot features to meet the specific needs of 5 local businesses and 3 nonprofits, gaining adoption by Troy School District and Brookdale Senior Living Centers chain improving engagement and operational efficiency
- Developed a fully customizable ChatBot using NLP and ML algorithms, allowing businesses to personalize features; condensed code to a versatile embed snippet for easy integration, automating a previously lengthy process, enabling rapid deployment within hours, streamlining approach significantly enhanced our scalability and efficiency

DASH Coin & OpenWave Troy, MI
Developer *May 2024 - August 2024*

- Developed DASH (Decentralized Ashmit) coin, hosted on CoinBase, generating $200 over the summer; utilized Motoko for backend development and ICP network for canister deployment and launching cryptocurrency onto CoinBase
- Created OpenWave, a digital art marketplace inspired by OpenSea and backed by cryptocurrency; employed Motoko for backend integration with the ICP network and utilized the MERN stack to build the FullStack web application

ADDITIONAL

Languages & Environments: Python, Java, Javascript, React, HTML, CSS, JSON, XML, LaTeX
Databases: MongoDB, PostgreSQL, SQL
Tools & Frameworks: Node, Express, JQuery, IntelliJ, VS-Code
Interests: Swimming, Motorcycling, F1, Hockey, Fashion, Pickleball, Lifting, Dancing, Cooking