Hersh Vardhan Tripathi

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Current Address:
200 Staffordshire Drive
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EDUCATION & HONORS

Purdue University | West Lafayette, IN — *Aug 2023 – May 2026*
Bachelor of Science in Computer Science (Accelerated Class of 2026)
- **Relevant Coursework:** CS 180 (Object-Oriented Programming), CS 193 (Tools), MA 261 (Multivariate Calculus)
- **Awards:** 3rd place in Hello World Hackathon
- **Activities and Societies:** Purdue Hackers, ML Purdue, Autonomous Robotics Club, Chess Club

Shady Side Academy | Pittsburgh, PA — *May 2023*
High School Diploma Class of 2023 – Cum Laude — **GPA: 3.94/4.00**

WORK EXPERIENCE

TopCop Sneakers | Pittsburgh, PA — *Mar 2020 – Present*
Co-Founder
- Sold limited-edition sneakers for profit on various online marketplaces such as StockX, GOAT, eBay, and Facebook Marketplace by leveraging social media platforms such as Instagram and Discord to market products and produce $50,000+ in sales
- Built extensive network of relationships with resellers in cities such as Pittsburgh, Milwaukee, Boston, Salt Lake City, New York, and Los Angeles while gaining experience in valuable skills such as negotiation, customer service, marketing, bookkeeping, and packaging

Carnegie Science Center | Pittsburgh, PA — *May 2021 – Aug 2021*
Volunteer Staff — Buhl Planetarium
- Assisted live planetarium shows and learned how to educate effectively and simplistically, staging 5+ exhibits for visitors to enjoy
- Learned aspects of customer service and crisis response through group training sessions, totaling near 50+ hours volunteering

Highmark Health | Pittsburgh, PA — *Jun 2021 – Jun 2023*
Virtual Discovery Intern
- Mentored by executives from various divisions within the enterprise including treasury, mergers & acquisitions, human resources, radiology, pathology, government relations, communications, strategy, and cyber security and learned about their respective fields
- Completed 13 mini-projects demonstrating understanding of each field and using skills the executives use in their day-to-day tasks

PROJECTS

GitMe | Hello World — *September 2023*
- Produced full-stack React web app, seamlessly integrating GPT-4 and GitHub APIs to provide succinct summaries for user repos
- Demonstrated backend expertise in Python (Flask) to hackathon judges, placing 3rd out of more than 250 participants

ImageGuru | Veritas AI — *July 2022*
- Developed an image classifying predictive model in Python trained on the CIFAR-10 dataset, implementing Matplotlib, scikit-learn, Pandas, Tensorflow, NumPy, and Keras to optimize accuracy and analyze error data
- Presented project to panel of judges, netting highest raw accuracy score across nearly 100 different cohort members

The Bumbler — *March 2023 – June 2023*
- Mastered bottom-up Fusion 360 modeling and project design, managing electromechanical assembly (measurement tolerance, skeletonized shell, iterative model improvement)
- Programmed directional software for FC/ESC stack and physical controller, adjusting voltage, propellor speed, and yaw, pitch, roll for stable and predictable flight patterns

Simon 3D — *December 2022 – March 2023*
- Self-taught Arduino syntax and hardware coding, mapping game logic to buttons, lights, and speakers while managing RAM/ROM
- Advanced knowledge of common industry practices in Fusion (parameterization, extrusion, infill/material adjustment, supports)

LEADERSHIP & INVOLVEMENT

Personal Finance Club | Pittsburgh, PA — *Feb 2022 – Jun 2023*
President
- Managed district-wide stock competition in conjunction with Finance clubs across Allegheny County that encouraged use of approaches concerning growth/value investing, stock analysis, market research/trends, and active/passive investments
- Helped manage a club portfolio valued at more than $70,000 by researching stock analytics and implementing investment strategies
- Contributed to end-of-year grant program that deals out $3000 annually for community improvement

Chess Club | Pittsburgh, PA — *Jan 2022 – Jun 2023*
President
- Presented instructional content to members and conducted weekly practice/training sessions using game reviews and strategies
- Organized tournaments and competitions amongst the student body, promoting the chess club across numerous student fairs

FreeCodeCamp Programming | Pittsburgh, PA — *Jun 2020 – Aug 2020*
Junior Programmer
- Created various personal projects such as informational websites, importable calculators, and chatbots to demonstrate proficiency
- Earned Responsive Web Design in HTML certification and pursuing Scientific Computing with Python certification

SKILLS

Git | Java | Python | Node.js | React | HTML/CSS