ASHMIT JHA

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PROFESSIONAL EXPERIENCE

Toggle Holdings Inc. **Tokyo, Japan**
AI Product Engineer *Aug 2026 - Present*

- Turned customer requirements into a production chat interface for property search, replacing a five-click workflow with a single natural-language request that handles map filtering, comparable-case selection, and saved results
- Retired the company's dependency on Azure Blob Storage by migrating 171.4 GB of production assets to Supabase, building audit tracking, access controls, and integrity verification into the cutover
- Built the backend for Japanese real-estate listing management across 15 API endpoints, automating property search, document OCR, yield estimation, and user notifications
- Automated classification and splitting of mixed 5–17 page property documents using confidence scoring with a vision-model fallback, removing a manual sorting step from listing intake
- Consolidated signed-URL generation across four attachment paths and multiple storage providers into one service, standardizing secure file access across the product

Coca-Cola Bottlers Japan Inc. **Tokyo, Japan**
Data Engineer Intern *May 2025 - Aug 2025*
Data Enablement Intern *May 2024 - Aug 2024*

- Built Medallion-architecture ELT pipelines converting raw financial data into multi-year OPEX reports for budget planning
- Developed BI dashboards comparing actuals, budgets, and prior-year trends, reducing manual reporting by 40+ hours/month
- Automated Python notification workflows using Azure Logic Apps/Synapse, delivering personalized alerts to 200+ employees
- Supported Azure cloud governance migration through resource provisioning, CI/CD improvements, and data lifecycle documentation

The Daily Collegian **University Park, PA**
Data Analyst *Sep 2023 - May 2024*

- Boosted social media engagement by 30% by automating real-time data retrieval using the Facebook API
- Streamlined data aggregation and storage processes, enhancing consistency and reliability for the marketing team

EDUCATION

The Pennsylvania State University | *College of Engineering* **University Park, PA**
Bachelor of Science in Computational Data Science | Minor in Engineering Leadership Development *Graduated May 2026*

INVOLVEMENTS

Nittany Artificial Intelligence Student Society **University Park, PA**
Machine Learning Bootcamp Certificate *Jan 2024 - May 2026*

- Engaged in hands-on projects focused on white box models, neural networks, and regression techniques

PROJECTS

BrainFit Temporal Modeling Pipeline | *Python, PyTorch, pandas, scikit-learn, LSTM, Transformer* Jan 2026 - Apr 2026

- Extended an existing cognition-fitness research paper by adding temporal time-series analysis on wearable fitness data
- Built lag-based LSTM and Transformer models to predict cognitive performance and compare results against regression baselines

ProfitOptima | *Node.js, Firebase, OpenAI API, Puppeteer, ML, Tavily API* *Nov 2025 - Jun 2026*

- Built an AI pricing platform that generates real-time product price recommendations to improve margins
- Designed a scraping and pricing pipeline with retries, scheduled execution, and external market data integration

KnightMind | *Pygame, Adversarial Search Algorithms, Evaluation Function Design* *Jan 2024 - Nov 2024*

- Chess engine using minimax with alpha-beta pruning and custom board evaluation function tuned for material and position

SKILLS & CERTIFICATIONS

Certifications: Azure DP-900 (Microsoft - June 2024), Azure AZ-900 (Microsoft - July 2024)
Languages: English (native), Japanese (fluent), Hindi (fluent)
Programming: Python, TypeScript, JavaScript, SQL, Java · **AI/ML:** PyTorch, scikit-learn, LLM applications, OCR/vision pipelines · **Data:** PostgreSQL, Supabase, Azure, PySpark, pandas · **Backend:** REST APIs, Node.js, React, Docker, CI/CD