aayushpawar012@gmail.com
(762) 436-0331

US Citizen
github.com/aayushpawar11
linkedin.com/in/aayush-pawar-atl

Aayush Pawar

EDUCATION

Georgia Institute of Technology — Atlanta, GA
B.S. in Computer Science & Minor in Fintech — *Expected Graduation: May 2027*
- **Concentrations**: Intelligence & People
- **Clubs**: Executive Officer at ClaudeAI Builders Club, AI @ GT
- **Coursework**: Data Structure and Algorithms, Object-Oriented Programming, Objects & Software Design, Digital System Design, AI Ethics and Policy, Data Manipulation for Science and Industry

SKILLS

Languages and Technologies: Python, Java, Javascript, C++, C, Microsoft Excel, Git, Node.js, React, MySQL, MongoDB, Elasticsearch, Flask, AWS, Docker, Linux, HTML/CSS, Django, Jira
Certifications and Awards: Oracle Java Foundations Certification: 1Z0-811, U.S Congressional App Challenge (Runner Up): Clinic4U, Elements of AI Certification: University of Helsinki

WORK EXPERIENCE

AutomaticAI (Startup) — Atlanta, GA
AI/ML Engineer — *May 2025 – Present*
- Built Motion Sensor AI engine using Apple Watch gyroscope/accelerometer data to detect basketball shots in real time. [Python, CoreMotion, Swift]
- Building LLM RAG live coaching system to generate real-time, context-aware voice tips. [Swift, Firebase/Firestore, Google Generative AI, RAG]
- Built Computer Vision Video AI system with 99% accuracy (YOLOv8, object tracking, make/miss logic). [PyTorch, OpenCV]
- iOS/Watch app used by 30K+ players and NCAA teams; supported biweekly feature releases. [Swift, Firebase]
- Sports tech company recognized by U.S. Congressional App Challenge and university innovation hubs.

Outamation
Artificial Intelligence and Automation Intern — *May 2025 – July 2025*
- Automated document classification/data extraction with NLP, Computer Vision, and Python. [Python, NLP, OCR]
- Built LlamaIndex + RAG retrieval system for mortgage docs; evaluated open-source AI models. [LlamaIndex, RAG, LangChain]
- Authored analysis on top AI models with deployment recommendations.

Cisco Systems — Atlanta, GA
Intelligence System Developer Intern — *Aug 2024 – Dec 2024*
- Optimized device communication efficiency (+20%) with SDR testing and wave analysis. [MATLAB, Python]
- Applied ML to SDR for faster cognitive responses, cutting convergence time 25%. [Machine Learning, Signal Processing]
- Classified wave types (2.4GHz, E&M) to improve spectrum utilization. [Wireless Systems]
- Documented 15+ sessions to create knowledge base, reducing onboarding time 30%.

PROJECTS

DraftKings Performance & Risk Analysis — Aug 2025 – Present
Vertically Integrated Project with Georgia Tech
- Built neural network models on 10K+ roster- and user-level records to predict win/loss outcomes and assess risk-taking.
- Modeled snap counts, snap %, position metrics vs. win rates, achieving 78%+ prediction accuracy.
- Quantified risk (StdDev of alphas) and identified top 5% consistent winners/losers using Jaccard Index > 0.65.
- Analyzed popularity vs. performance (R^2 > 0.72) and weekly performance deltas (avg ±12%), generating actionable insights for DraftKings.

StatPulseAi — May 2025 – Present
AI-Driven Sports Statistics Prediction Platform
- Served 200+ users; projected $5K annual revenue via subscriptions.
- Delivered NBA/NFL predictions with 81%+ accuracy using ML models.[PyTorch, Scikit-learn]
- Built scalable ML pipelines (data ingestion → training → live inference) with FastAPI on Google Cloud Run.[FastAPI, GCP]
- Designed AI-optimized backend (Cloud SQL + SQLAlchemy) and interactive React frontend.
- Automated onboarding and analytics to improve personalization and model performance.

Clinic4U — Aug 2024 – Dec 2024
Mobile Application
- Built app helping 200+ users find free clinics with real-time Google API data.
- Logged 50+ successful healthcare connections in first 3 months.
- Expanding to Android and integrating AI for personalized recommendations, affordable medication, and advanced filtering.