Arnav Bhatia

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PROFESSIONAL SUMMARY

Software Engineer with 2+ years building production systems for enterprise clients, from discovery to deployment. Combines hands-on backend and cloud-native development (Azure, Python, C#) with customer-facing delivery, owning engagements that cut client infrastructure costs by 40% and deployment cycles by 60%. Incoming M.S. CS (AI/ML) at Georgia Tech.

EXPERIENCE

MOZEUS – *Product Engineer* *Atlanta, GA | 09/25 – Present*
- Owned full lifecycle delivery for 6+ enterprise clients, discovery, scoping, architecture, and production deployment, as the primary technical point of contact.
- Architected containerized platforms on Azure (Docker, Kubernetes, Bicep), cutting operational costs by 40% and enabling reproducible deployments across environments.
- Built ETL pipelines for 1M+ data points, powering core products and eliminating manual data preparation workflows.
- Led technical demos for stakeholders, translating requirements into SOWs and architecture proposals to accelerate closure.

BLUE YONDER – *Software Engineer* *Atlanta, GA | 03/24 – 09/25*
- Owned BFF gateway aggregating 2,700+ microservice endpoints for 100+ daily enterprise users, building backend services in .NET and React UIs.
- Architected CI/CD pipelines for ML model publishing across 8 environments, cutting deployment time by 60% while enforcing versioning, rollback, and traceability.
- Automated backend scheduling (Python, C#) and testing infrastructure (NUnit), boosting velocity by 30%.
- Developed OpenAPI-driven API documentation layer, directly cited by sales as a factor in increasing platform close rates.

MANHATTAN ASSOCIATES – *Research Engineer Intern* *Atlanta, GA | 05/23 – 08/23*
- Prototyped demand forecast models (TensorFlow) to improve inventory prediction by 25% and aid WMOS decisions.
- Designed RESTful microservices to support integration across 200+ fulfillment nodes in production environments.
- Built Python automation dashboard to reduce test cycles by 20% and enable monitoring for non-technical stakeholders.

LIGHTER THAN AIR – *Technical Project Engineer Intern* *Sunnyvale, CA | 06/22 – 09/22*
- Consolidated 1,200+ avionics and API artifacts into a unified traceability system, accelerating FAA certification.
- Led cross-functional coordination across hardware, software, and test teams to unblock critical-path certification milestones.

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY *Atlanta, GA | Starting Fall 2026*
M.S. Computer Science (Specialization: Artificial Intelligence / Machine Learning)

BOSTON UNIVERSITY *Boston, MA | 08/20 – 05/24*
B.A. Computer Science | Minor: Business Administration and Management | Varsity Squash Team Captain

SKILLS

Languages: Python, Java, C#/.NET, SQL, JavaScript
Cloud & Infra: Azure, AWS, Docker, Kubernetes, Terraform, Jenkins, CI/CD Pipelines
Backend & APIs: REST, OpenAPI, Microservices Architecture, BFF Gateway
Data & ML: TensorFlow, GenAI/LLMs, Model Serving Pipelines, OpenAI API, ETL Pipelines
Tools: Git, Agile/Scrum, PyTest, NUnit, React.js, Figma | **Cert:** Azure Fundamentals (AZ-900)
Interests: Atlanta Humane Society Staff (50+ hrs) • Competitive Athletics • AI Agents • Quantitative Trading

PROFESSIONAL PROJECTS https://github.com/arnavbhatia1

Shelter Match - AI-Powered Pet Adoption Platform | *Python, OpenAI API, React, PostgreSQL*
- Built a full-stack platform connecting 3 shelters with prospective adopters using semantic matching powered by GPT-4.
- Designed dynamic shelter portals with real-time animal availability, filtering, and personalized recommendations.

TetrisBot - Reinforcement Learning Agent | *Python, TensorFlow, Pygame*
- Trained a deep Q-learning agent to play Tetris, achieving 250 average lines cleared per game after 10 training episodes.
- Built automated training pipelines with hyperparameter tuning and a real-time GUI for evaluating agent performance.