

# Hetansh Bhuta

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## EDUCATION

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### Georgia Institute of Technology

Master of Science in Computer Science

Atlanta, GA

Jan 2026 – Present

### University of South Florida

Bachelor of Science in Computer Science

Tampa, FL

Aug. 2023 – Dec. 2025

## EXPERIENCE

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### Software Developer (RCS Department)

Raymond James Financial

Jan 2026 – Present

- Architecting scalable AI-driven microservices to enhance internal financial products, streamlining data processing workflows and system reliability.
- Integrating Large Language Models (LLMs) and automated software pipelines into production, bridging the gap between machine learning operations and enterprise software architecture.

### Undergraduate Researcher

Moffitt Cancer Center

May 2025 – Dec 2025

- Built a reinforcement learning agent using PyTorch to detect and correct model drift in mammography algorithms, optimizing performance across a pipeline of 1M+ medical records.
- Implemented dynamic programming and statistical process control within backend data pipelines to maintain 95%+ model accuracy across diverse subpopulations.

### Machine Learning and AI Intern

CyberWeb Hotels

May 2024 – July 2024

- Developed RESTful backend services for AI chatbots deployed across 15+ hotels, reducing labor costs by 20% (\$65K annually) and accelerating guest response times.
- Engineered NLP-powered automation tools and data extraction scripts to autonomously resolve 500+ daily inquiries, improving SLA compliance by 25%.

## PROJECTS

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### AutoPentest AI | Python, Flask, Hugging Face, OpenAI API, Docker

Jan 2025 – Aug 2025

- Engineered an autonomous penetration testing system using Python and LLMs to automate vulnerability scanning and dynamic exploit payload generation.
- Deployed a scalable Flask microservice backend containerized with Docker, integrating Hugging Face APIs into secure CI/CD pipelines to achieve 70%+ accuracy on OWASP Top 10 vulnerabilities.

### AdRun | Python, Flask, Supabase, LangChain, Docker, OpenAI API

July 2025 - Present

- Built an AI-powered full-stack automation platform using Flask and Supabase, enabling multi-tenant data storage and autonomous generation of marketing analytics.
- Implemented LangChain workflows to dynamically orchestrate prompts, integrating web scrapers to extract and process structured data from client applications.

## TECHNICAL SKILLS

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**Languages:** Java, Python, SQL, C/C++, COBOL

**Frameworks & Tools:** Spring, JUnit, Gradle, Maven, Jenkins, LangChain, Docker, Flask

**Cloud Platforms:** AWS (Lambdas, S3, Step Functions, Athena, EMR)

**Databases:** PostgreSQL, Cassandra, NoSQL, Supabase

**Architecture & Testing:** Microservices, REST APIs, OAuth, CI/CD, Test-Driven Development (TDD)