

ISHAAN GOSWAMI

US Citizen - 678-516-1756 - ishaangoswami8@gmail.com - [linkedin.com/in/ishaan-goswami](https://www.linkedin.com/in/ishaan-goswami) - github.com/ishaan-goswami

Education

Georgia Institute of Technology

Atlanta, Georgia

Bachelor of Science in Computer Science

Expected May 2026

- **Concentration:** Artificial Intelligence and Modeling/Simulations
- **Coursework:** Object-Oriented Programming, Data Structures and Algorithms, Design and Analysis of Algorithms, Artificial Intelligence, Computer Systems and Networks, Applied Combinatorics, Graduate Machine Learning & Computer Vision, Probability & Statistics

Technical Skills

Languages: Java, Python, JavaScript, HTML/CSS, Node.js, MySQL, C, C#, C++, Go, Assembly, TypeScript
Technologies/Frameworks: AWS, Unix, GitHub, Django, RESTful API, React, .NET, Kubernetes, PostgreSQL
Developer Tools: Git, Docker, Android Studio, npm, JUnit, NumPy, Pandas, Firebase, AquaSec, Dynatrace

Experience

NCR Voyix

May 2025 – Aug 2025

Software Engineer Intern

Atlanta, Georgia

- Engineered a full-stack performance monitoring dashboard that provides API request analytics by day, enabling teams to slice data by aggregate endpoint, user, response code, euID, and time.
- Designed secure, scalable RESTful services using .NET and C#, with SSO authentication, enabling tailored data access for different user types and organizational hierarchies.
- Built dynamic charting components using React, TypeScript, and Nivo with custom data transformation logic to render real-time performance metrics across multiple visualization types.

Georgia Institute of Technology College of Computing

Jan 2024 – Dec 2024

Teaching Assistant

Atlanta, Georgia

- Working as a teaching assistant for CS 2340, Objects and Design, managing over 1200 undergraduate students, ensuring smooth course operations.
- Craft comprehensive problem sets and exam questions, focusing on advanced object-oriented design principles.
- Conduct daily office hours, providing personalized guidance and support to students.

ITProAct Technology Solutions

May 2024 – Aug 2024

Software Engineer Intern

Lawrenceville, Georgia

- Integrated Python web scraping and HTML to create web applications that facilitate autonomous request handling.
- Utilized AWS Lambda to facilitate, moderate, and store user metrics, providing data for pricing formulas.
- Leveraged Django WebSockets Channels to design and construct asynchronous chat functionality.
- Enhanced database scalability by achieving a 19% increase in throughput, while ensuring data consistency.

Projects

GT Course Monitor | Python, Peewee ORM, BeautifulSoup, Twilio, SQLite

Jan 2025

- Developed a backend automation tool to monitor course availability and send real-time Discord alerts when seats open.
- Integrated web scraping, asynchronous Discord bot commands, and webhook alerts to provide real-time updates on course enrollment and waitlist status.
- Employed multi-threading for concurrent CRN tracking and maintained data integrity using SQLite and Peewee ORM.

NFL Game Predictor | Python, NumPy, matplotlib, Pandas, Seaborn

Dec 2024

- Created an NFL game prediction model using machine learning to forecast results and identify team trends.
- Generated visual plots like PCA clustering graphs and feature importance charts, aiding model interpretability.
- Achieved an 87.6% accuracy after training the model for 50 epochs, demonstrating effective model training and evaluation skills

Neural Networks Stock Predictor | Python, Pandas, NumPy, TensorFlow, Android Studio

April 2024

- Developed a stock price prediction model using LSTM networks through Python and TensorFlow.
- Visualized model performance with Matplotlib, comparing predicted and actual stock prices to evaluate model accuracy.
- Implemented Firebase for real-time data synchronization and user authentication in a mobile app.
- Improved prediction accuracy by 20% compared to traditional models, contributing to more informed trading decisions.