

# VEDANT LALIT BHATT

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## EDUCATION

### Georgia Institute of Technology

Atlanta, GA

B.S. in Computer Science — Exp. Graduation: May 2027

August 2024 – Present

- **Concentrations:** Intelligence and Information Networks
- **Relevant Coursework:** Introduction to AI, Computer Systems and Networks, Design and Analysis of Algorithms, Data Structures and Algorithms, Database Systems, Discrete Mathematics, Objects and Design, Linear Algebra
- **Scholarships & Awards:** Zell Miller Scholarship, Georgia Certificate of Merit, IT Specialist Certipoint Software Development

## EXPERIENCE

### Quilly

Atlanta, GA

Full Stack Developer

August 2025 – Present

- Collaborated with cross-functional teams to debug and optimize platform performance with Redis caching and GraphQL APIs
- Converting Figma designs into responsive, inline-styled HTML/CSS templates tailored for Mailchimp email campaigns
- Developed interactive community engagement features, driving average user session length by 60% based on web analytics

### King of the Curve

Atlanta, GA

Front End Developer Intern

July 2025 – Present

- Leading the rebrand of the MCAT study app using Flutter and Dart, modernizing UI responsiveness and user experience
- Working with Figma designs to create interactive flashcards, quizzes, and progress tracking features used by 100,000+ users
- Integrating widgets and SDKs (graphs, charts, visualizations) to improve user tracking without impacting app performance

### Big Data Big Impact - FishCast

Atlanta, GA

Data Engineer

February 2025 – Present

- Maintained data pipelines integrating large ecological datasets from NOAA and Fishbase for predictive modeling purposes
- Researched and trained time series models & LSTMS to accurately forecast Atlantic Cod habitat shifts due to climate change
- Designed and developed interactive GIS maps and dashboards using visualization tools and GIS software for readability

### Alpha Kappa Psi (Business Fraternity)

Cumming, GA

Director of Software Development

January 2025 – Present

- Developed a website used by the fraternity of 200+ members, streamlining the tracking of members and their performance
- Implemented WebSockets for real-time group discussions and forums, enhancing collaboration among fraternity members
- Utilized React and Firebase for front/back-end services, and Axios to handle API requests and data retrieval efficiently

## PROJECTS

**FileAI** — TypeScript | Python | OpenAI CLIP | HuggingFace | FAISS | CedarOS | NumPy | Git

September 2025

- Built an interactive natural language chatbot enabling users to execute file actions: create, move, organize, zip, and search
- Implemented semantic file parsing, mapping files to vector embeddings for comprehensive representation and fast retrieval
- Accelerated query times by 75% by caching and retrieving previously calculated vector embeddings with FAISS Library

**MySQL - Runner** — TypeScript | Node.js | Python | Flask API | MySQL | Git | Ollama

September 2025

- Developed a VS Code extension integrating Ollama's Llama3.2 NLP model to convert natural language queries into SQL
- Increased query accuracy by 30% using schema-aware prompts to ensure valid table and column names in generated queries
- Built to boost productivity by seamlessly integrating multiple tools, saving time navigating and avoiding context switching

**Track My** — JavaScript | React.js | Node.js | Python | FastAPI | MySQL | SQLAlchemy | Docker | Git

June 2025 – Present

- Designing a React Native application helping users with lost items using community crowdsourcing and monetary incentives
- Deploying a FastAPI backend, powered by PostgreSQL, Supabase, and Docker and leveraging JWT-based authentication
- Leveraged ML to create an image similarity search using OpenAI CLIP and FAISS, achieving a 82% retrieval accuracy

**Active Knockout** — C# | Unity | Blender

April 2024 – June 2024

- Created a virtual reality fitness experience, integrating a boxing practice simulator to encourage physical activity and health
- Optimized VR interaction mechanics and real-time performance issues in Unity to ensure a responsive user experience
- Secured 7th place at the Technology Student Association national conference whilst competing against 200+ teams

## SKILLS

**Languages:** Java | HTML | CSS | Python | Assembly | Swift | SwiftUI | C# | C | C++ | MySQL | JavaScript | TypeScript

**Software:** Node.js | React.js | Hugging Face | scikit-learn | Pandas | Xcode | Git | Supabase | MySQL Workbench | Jira | Axios

**Interests:** Competitive Programming | App Development | 3-D Modeling | Animation | Running | Piano | Hiking | Weightlifting