

ARNAV PATEL

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EDUCATION

Georgia Institute of Technology

Atlanta, GA

Pursuing Bachelors of Science, Computer Science Major

Aug 2023 – Present

- Expected Graduation: **Fall 2025** – GPA: 4.0/4.0
- GT Marketplace App - **CEO**
- ReactNative Club - **Founder**
- AI@GT - Director of Projects

EXPERIENCE

UniBuzzy

Atlanta, GA

Lead Full Stack Developer

March 2024 – Present

- Led the frontend and backend development of a college social media app using Angular, Spring Boot, and Azure ensuring scalable and efficient performance.
- Delivered **product demonstrations** to stakeholders and possible consumers, clearly showcasing features, leading to increased engagement and adoption.

Biz4Group

Orlando, FL

Machine Learning Intern

Jun 2023 – Aug 2023

- Engineered the **natural language processor** for an LLM-powered chatbot for iGaming services using spaCy, resulting in a 30% increase in accurate user interaction.
- Worked with each step of the **software development lifecycle** to develop and maintain 20 models, ensuring seamless integration with existing infrastructure.

Full Stack Developer Intern

Sep 2022 – Jan 2023

- Developed frontend interfaces and databases for multiple high-value E-commerce platforms using React, Node.js, MySQL, and AWS with values exceeding **\$1,000,000**.
- Implemented comprehensive SEO strategies, such as keyword and loading optimization, that lead to an increase of nearly 25% in clients' brand awareness and online conversions.

Orange Technical College

Orlando, FL

Robotics Research Intern

May 2021 – July 2021

- **Mentored** other students to efficiently clean and validate over 5000 data records using Python libraries and automation tools, enhancing data accuracy and consistency.
- Optimized a **computer vision** model through quantization, boosting overall system performance and slashing load time by over 20%.

PROJECTS

Portfolio – 3D E-Portfolio App | React, ThreeJS, TypeScript, EmailJS

- Developed an immersive e-portfolio showcasing my experiences using React and ThreeJS.

Creativize – AI Image Generator | MERN, TypeScript, Cloudinary, OpenAI

- Integrated OpenAI API to generate high-quality images based on user prompts.
- Achieved 30% higher efficiency in handling concurrent connections by employing the MERN stack.
- Reduced image loading times by 50% through Cloudinary for fast and reliable image storage.

Whisprey – Fullstack Chat App | MERN, TypeScript, Jsonwebtoken, WebSockets

- Built a fullstack chat app using the MERN stack with REST APIs for robust data management and a responsive UI.
- Implemented secure user authentication using JWT and Bcrypt, ensuring data security and user privacy.
- Ensure latency under 100ms by optimizing WebSocket connections, providing a seamless real-time experience.

Reptix – AI Rep Counter | MediaPipe, Python, React, OpenCV, Flask

- Attained 95% accuracy in an AI-powered rep counter utilizing MediaPipe and OpenCV to track joint movements.
- Displayed workout metrics through a React webapp, providing users with real-time feedback and insights.

ADDITIONAL SKILLS

Languages: JavaScript, Python, SQL, Java, TypeScript, HTML/CSS

Frameworks & Libraries: React, TensorFlow, Node.js, Django, Redux, Scikit-learn

Databases & Tools: MongoDB, AWS, Git, PostgreSQL, JUnit, Docker, Jenkins

Other Skills: Agile Methodologies, Project Management, Data Structures & Algorithms