Rohit Vivek

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EDUCATION

Georgia Institute of Technology   Atlanta, GA
Bachelor of Science in Computer Science, Minor in Economics   *Expected Graduation: May 2026*
- **GPA: 3.86**, Artificial Intelligence and Human-Computer Interaction Concentrations, Faculty Honors
- Relevant Courses: Data Structures, Algorithms, OOP, Discrete Math, Computer Organization, AI, ML, Combinatorics

EXPERIENCE

Meta Platforms, Inc.   Menlo Park, CA
Software Engineering Intern   *May 2025 - August 2025*
- Singlehandedly built post–ad creation upsells for Click-to-WhatsApp, Click-to-Messenger, Click-to-Direct, and Click-to-MultiDestination across Facebook, FB Lite, and Meta Business Suite's mobile lightweight interfaces, unlocking a pathway for advertisers to integrate Click-to services in advertising campaigns
- Designed and deployed a performance dashboard, enabling real-time monitoring of upsell engagement metrics
- Achieved **50,000+ impressions** and a **12% click-through rate** in initial weeks of A/B testing—more than **2× higher** than existing upsells like Page Likes and Gen AI—creating measurable lift in incremental revenue potential

Kahua, Inc.   Alpharetta, GA
AI/ML Engineering and R&D Intern   *May 2024 - August 2024*
- Developed two API-free data-secure Retrieval Augmented Generation models using Hierarchical Parsing and superior embedding practices for the future benefit of company and world-renowned clients
- Engineered a logic-backed multimodal cognition model with LLaVA to identify risks on construction sites, introducing potential to mitigate up to **$500,000** in annual damage costs
- Conducted comprehensive stress testing on all the above, to determine they boast an average **96%** response accuracy and reduce information retrieval times by **40%**

Zoftware   Dubai, U.A.E
Software Engineering and Artificial Intelligence Intern   *June 2023 - August 2023*
- Collaborated with CTO to build Python chatbot using OpenAI API to help millions of clients with digital transformation
- Improved communication between LangChain NLP tool and MongoDB server by applying PyMongo library
- Incorporated **Pinecone** database for better context persistence; augmented behavior by **80% (**based on bandwidth usage)

JPMorgan Chase   Dubai, U.A.E
Software Engineer Intern   *January 2021 - March 2021*
- Implemented combination of JPMorgan Perspective and Python to code stock price visualizer operating in tandem with Alpha Vantage API data—orchestrated code modifications with Git
- Reported **94%** customer satisfaction and **88%** accuracy in price prediction within a **1 month** period

PROJECTS

Outpost: A Camera-Enabled Local LLM Virtual Assistant   *Jan 2025 - May 2025*
- Built a camera-enabled local LLM assistant for outdoor exploration, integrating live vision input for context-aware help
- Owned camera operations: implemented object detection and optimized the vision pipeline for reliable, real-time performance
- Integrated camera/vision outputs into the assistant workflow to improve on-device grounding and user-facing responses

Weather App with Real-Time Data Integration   *May 2023*
- Built a weather app from scratch in React Native framework primarily with JavaScript/TypeScript
- Designed stylish user interface and fetched OpenWeatherMap API data for real-time weather display

LEADERSHIP

Scalable HealthTech Solutions LLC   Atlanta, GA
Co-Founder and Software Lead   *August 2025 - Present*
- Designed, prototyped, and tested stretcher-mounted patient weighing system with accompanying medical dose calculator to address the **100,000+** inaccurate prehospital doses administered annually
- Led end-to-end software development for device, integrating two ESP32 microcontrollers to manage concurrent tasks of signal processing for load cells and UI rendering
- Co-authored and filed a provisional patent application for novel stretcher-scale, documenting original attachment mechanism and handheld device

SKILLS

Languages/Frameworks: Java, Python, HTML, C, C++, CSS, PHP, SQL, JavaScript/TypeScript, React Native, Assembly, Axon
Tools: Git, Jupyter Notebooks, Pandas, PyTorch, LlamaIndex, LangChain, LLaVA, Microsoft Power BI, Modbus Communication Protocol, SkySpark, Adobe Illustrator, Microsoft Word/Excel/Powerpoint, kBuilder
Interests: Entrepreneurship, Robotics, Debating/Communication, Tennis, Badminton, Table Tennis, Guitar, Trekking