

Chiraag Nadig

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EDUCATION

University of Maryland

B.S. in Computer Science, Minor in General Business

College Park, Maryland

May 2026

Coursework: Data Structures & Algorithms, Computer Systems, AI, NLP, Data Science, Statistics, Linear Algebra, Cryptography, HCI, PM

Awards: Dean's List, 3rd place in Bitcamp hackathon (of 2000+ hackers), Anokha Acapella (1st place at National Competitions)

SKILLS

Languages: Python, Java, Javascript, Swift, C, C++, Typescript, HTML/CSS, SQL, R

AI/ML: PyTorch, TensorFlow, Scikit-learn, LangChain, Hugging Face, PEFT/LoRA, OpenAI API, Llama2, Vector Databases

Web/Cloud: Django, React, Next.js, Python (Flask, FastAPI), Node.js, DynamoDB, OpenSearch, PostgreSQL, AWS, Firebase, Docker, Git

Developer Tools: Xcode, VS Code, Linear, Jira, Confluence, Prefect, Terraform, Poetry, Figma, Google Colab, Notion, Jupyter Notebook

EXPERIENCE

Hadrius (YC W23, AI RegTech Platform)

New York, New York

Software Engineer

JUN 2026 - PRESENT

- Restored **90%** of a customer's missing message data (**230,000+** messages lost over 4 months) by root causing a broken deduplication watermark in a shared ingestion pipeline used by **21** providers across **8** companies
- Built a full OAuth/authentication audit backend and an AM/IM Connector Dashboard tracking **8,400+** individual connector instances across **48** provider types (WhatsApp, LinkedIn, Zoom, Teams, and others) for **339** client companies
- Shipped a highlight navigation feature letting reviewers jump directly between flagged phrases in long email threads, cutting review time **35%** (measured via PostHog)
- Onboarded 3 new archiving integrations (ICE Chat, Cloud9, WebEx), helping close **\$120K+** in ARR across the three deals

Publicis Sapient (AI Consulting Firm) ([Report link](#))

Chicago, Illinois

Software Engineer Intern

JUN 2025 - AUG 2025

- Implemented a comprehensive testing architecture for a **Fortune 500 (\$81B)** retailer's ad management platform, guaranteeing enterprise-grade quality by driving API test coverage from 0% to **92.6%**, writing **272** unit tests with <25s test runtime.
- Spearheaded AI feature development by creating an **AI Smart Scheduler** (demoed to executive sponsor) and a database-querying chatbot, and optimized an AI SEO-enhancer's processing time by **80%** (80s to <**15s**) using asynchronous, parallel data chunking.
- Served as lead BE architect, designed and built the entire backend API, database schema, and **8+** service modules for the platform.

Booz Allen Hamilton (Via UMD App Dev Club)

College Park, Maryland

Full Stack Software Engineer

FEB 2025 - MAY 2025

- Reduced manual data processing hours for policy specialists across **300+** federal policies by engineering an end-to-end **AWS ML** pipeline to automatically extract content (**GLINER**), generate summaries (**BART**), and update a **PostgreSQL** database.
- Architected a secure AWS cloud infrastructure by containerizing ML dependencies in **ECR**, isolating resources in a private **VPC**, and implementing **Lambda** layers, cutting cold start latency by **45%** and improving system reliability.

Quilt.AI (AI Consumer Insights Platform) ([Report link](#))

Boston, Massachusetts

Research and Development Intern

JUN 2024 - AUG 2024

- Reduced manual analysis time by **40%** for a **Coca-Cola campaign** by developing an **LLM-based** classification system that processed **24,000+** names to identify gender, sensitivity, and cultural context.
- Co-authored **arXiv** research publication comparing **GenAI** vs traditional **NLP** methods, improving sentiment analysis accuracy from **50%** to **60%** through **Llama2 7B fine-tuning** with **PEFT/LoRA**, informing Quilt's AI strategy for client projects.

University of Maryland FIRE Research Program ([Research link](#))

College Park, Maryland

Quantum ML Researcher

SEP 2023 - JAN 2025

- Achieved **71%** precision and **69%** F1-score in stock prediction with a novel Quantum Gramian Angular Field (**QGAF**) model, deployed on **IonQ's** Harmony and Aria-1 quantum processors
- Presented research findings to **1000+** industry and academic attendees at the UMD Research Symposium; findings subsequently published by **IEEE**.

Roam: Student Rideshare App

Robbinsville, New Jersey

Co-Founder

FEB 2024 - JAN 2025

- Co-founded Roam Travel LLC and launched an iOS rideshare app (Swift, Xcode, Firebase) connecting students within college networks, cutting average ride costs 50% vs. Uber/Lyft, while leading an 8-person team across mobile, UI/UX, and business.

PROJECTS

Crisis Match | AI Crisis Intelligence Platform ([Devpost link](#))

APR 2026

- Won Best Data Science Hack** at Bitcamp, East Coast's largest hackathon (**1000+** hackers, hosted by UMD), for an AI platform tracking global disasters with live ship and plane data.
- Used Claude and Gemini **agents** to run parallel debates on crisis severity and automatically match volunteers to relief organizations based on synthesized skill needs.

Tell Terry | AI Mental Health Journal ([App Demo link](#))

APR 2024

- Achieved 3rd place at Bitcamp (2000+ participants) by developing an AI-powered mental health journal app using OpenAI GPT-4 and DALL-E APIs, securing a 5-star App Store rating.

Secure Journal App ([Github link](#))

DEC 2025

- Architected a zero-knowledge encryption system using **AES-256-GCM**, **RSA-PSS** digital signatures, and **Argon2id** hashing with **PBKDF2** key derivation (**600,000** iterations) to protect data at rest and resist GPU brute-force attacks.
- Engineered a custom **PKI** and **Hybrid** Encryption (RSA-OAEP) protocol to issue X.509 certificates, enabling secure end-to-end encrypted data sharing without server-side key exposure.