

ARIJIT CHAKMA

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SKILLS

- **Languages:** Python, JavaScript/TypeScript, Go, Java, C/C++, SQL, Bash
- **Web/App Dev:** React, NextJS, Redux, React Native, Expo, HTML/CSS, MaterialUI, Tailwind
- **Cloud/DB:** AWS, Docker, MongoDB, Supabase, PostgreSQL, Pinecone
- **AI/ML:** TensorFlow, PyTorch, Scikit-Learn, Hugging Face, LangChain, LangGraph

EXPERIENCE

ASAPP

AI Engineer Sprintership

New York City, NY (Remote)

Aug 2025 – Present

- Developing an LLM-based pipeline using **LangGraph** and **OpenAI API** to convert unstructured contact center conversations from enterprise customers into structured datasets.

Drexel University, Visual Intelligence Lab

Lead AI Researcher Co-op (Advisor: Dr. Feng Liu)

Philadelphia, PA

Apr 2025 – Present

- Built an LLM framework simulating K-12 students of varied cognitive abilities, enabling teachers to visualize learning gaps and improve assessment accuracy by **30%**.
- Created **10,000** hand-drawn science illustrations paired with AI-generated evidence and concept maps, boosting model interpretability for educators.

Bristol Myers Squibb

Cloud and Software Developer Co-op

Princeton, NJ

Apr 2024 – Sep 2024

- Built **5+** ETL workflows with **AWS Step Functions**, automating data for **10,000+** employees and boosting accuracy by **70%**.
- Automated LucidChart de-licensing for **1,250+** users via **Puppeteer** and **AWS Lambda**, cutting manual effort by **90%**.
- Developed a **React** frontend for **AWS DataZone** management with **API Gateway**, reducing processing time by **80%**.
- Created **Python** scripts to migrate **1.3 TB** from **DynamoDB** to **Athena**, saving analysts 8 hours weekly.
- Enabled schema-aware **ETL** jobs using **AWS Glue Crawlers** on **15+** tables, removing manual triggers.

Develop For Good

Software Engineer (Volunteer)

Remote

May 2024 – Aug 2024

- Implemented language-based event filtering using **React** and **TypeScript**; enhanced user authentication with **Firebase**.
- Migrated **2,000+** lines from **JavaScript** to **TypeScript**, reducing runtime bugs by **40%** and improving maintainability with **Chakra UI** integration.

PROJECTS

WoundWatch — React Native, Flask, Hugging Face, MongoDB

[Link](#)

- Built AI app reconstructing 3D wounds from 2D images, enabling remote analysis and clinical care.

VentureAhead.AI — ReactJS, Flask, OpenAI API, SerpAPI

[Link](#)

- Built a multi-agent platform automating business ideation, research, and outcome simulation to provide actionable insights for entrepreneurs.

ACHIEVEMENTS

- **PennApps Winner (2024):** 1st Place out of 105 projects at University of Pennsylvania's premier hackathon.
- **HopHacks Winner (2024):** 2nd Place out of 80 projects at Johns Hopkins University's annual competition.
- **DragonHacks Winner (2024 & 2025):** Best Multimedia Track (2024) and Best Social Impact Award (2025).
- **Drexel Global Scholar (2023):** 1 of 13 international students awarded full tuition for outstanding academic achievement.

EDUCATION

Drexel University — BS in Computer Science

Philadelphia, PA

GPA: 3.80/4.00, Specializing in AI/ML and Graphics/Vision

Expected Graduation: June 2027

Coursework: Data Structures, Machine & Deep Learning, Systems Programming, Object Oriented Programming and Design