

Arijit Chakma

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SKILLS

Languages: Python, Go/Golang, JavaScript (Node), Typescript, Java, C/C++, SQL, HTML/CSS

Technologies: AWS, React, Redux, LangChain, RAG, PostgreSQL, MongoDB, Git, Flask

ML/CV Technologies: TensorFlow, Scikit-learn, NumPy, Pandas, OpenCV, Matplotlib

EXPERIENCE

Bristol Myers Squibb

Princeton, NJ

Software and Cloud Engineering Co-op

Apr 2024 – Sep 2024

- Developed and deployed **15+** AWS Lambda functions utilizing CloudFormation to synchronize data between LDAP and various AWS services, reducing manual efforts by **90%**.
- Designed and implemented **5+** serverless workflows using AWS Step Functions to automate weekly user and group reports from various platforms for **10000+** employees, improving data accuracy by **60%**.
- Automated delicensing of Lucidchart users using Puppeteer and AWS Lambda to handle over **1250+** users with **450+** licenses.
- Created a frontend for delicensing DataZone users using React, Typescript, AWS API Gateway, reducing processing time by **80%**.
- Resolved and troubleshooted **500+** ServiceNow tickets for Git and SVN user access.

Develop For Good

Virtual

Software Engineer

May 2024 – Aug 2024

- Developed an event filtering feature for art events based on language preferences using React, TypeScript, and Chakra UI allowing users to filter art events by languages.
- Enhanced the login functionality by integrating validation check for correct email and password using Firebase.
- Contributed to the migration of over 2000+ lines of JavaScript code to TypeScript, reducing bugs by 40%.

PROJECTS

Visual ED | [LINK](#) | LangChain, OpenCV, PyGame, OpenAI

Philadelphia, PA

- Developed an eye tacking system using OpenCV and Raspberry Pi for motor neuron disability individuals to communicate in classrooms via eye-movements.
- Integrated LangChain and OpenAI API to generate intelligent conversation suggestions, allowing users to reject or accept options via eye movements on the camera.

Scout | [LINK](#) | React Native, Android Studio, Google Maps API

Washington, DC

- Developed an android app for autonomous robot using React Native and Go Backend that detects emergencies on college campus and notifies security.
- Integrated Google Maps API for real time location of the robot and path using longitude/latitude data from its GPS sensors.

ThriftHub | [LINK](#) | MERN, Firebase, ChartJS

Philadelphia, PA

- Build a web-based platform to track user's financial histories using MERN stack and Firebase, allowing users to view dynamic visualizations of income and expenses using ChartJS.
- Established a seamless data transfer between Firestore, where user information is stored, and MongoDB, which handles user-related income and expenses.

EDUCATION

Drexel University | BS in Computer Science

Sep 2022 – Jun 2027

- 3.81 GPA, Math Minor, Dean's List (All Quarters), Full Ride Scholar, DragonHacks 2024 Winner
- Courses: Data Structures, Intro to Soft Dev and OOP, Advance Prog in C & Bash, Discrete Math, Linear Alg
- Certificates: [Machine Learning Specialization by DeepLearning.AI](#)