

# Tejas Mehta

(973) 713-1511 | tmthecoder@gmail.com | tmthecoder.dev | github.com/tmthecoder | linkedin.com/in/tmthecoder

## Education

**Georgia Institute of Technology** | Atlanta, GA

*Expected Graduation May. 2025*

GPA 3.92/4.0 | Bachelor of Science in Computer Science | Information Internetworks & Systems Architecture

Courses: Computer Organization & Programming, Design & Analysis of Algorithms

**County College of Morris** | Randolph, NJ

*September 2021 - May 2022*

Dual Enrollment | GPA 4.0/4.0 | Dean's Honor List

Courses: Data Structures & Algorithms, Computer Architecture & Assembly Lang, Discrete Mathematics, Linear Algebra

## Professional Experience

### Cloudflare

*August 2023 - Present*

Software Engineer Intern - Full Time

Remote

- Implemented core revalidation logic (Rust + Go) to intelligently manage caching of customer data
- Developed production-facing features & API changes (Go + Postgres) to prepare for product open beta
- Created local development integrations for a new product within a multi-tenant C++ V8 Runtime

### Google - Cloud AI Vision

*May 2023 - August 2023*

STEP Intern - Full Time

Sunnyvale, CA

- Optimized memory footprint & performance of a real-time Vision AI diagnostics tool (C++ & OpenCV) by ~80%
- Improved concurrency & calculation paradigms to eliminate video frame backlog and enable near-instant overlays
- Architected a large-scale decoupling and expansion of the diagnostics tool, enabling overlays of additional AI model results through the development of an expandable system relying on OOP & Polymorphism principles
- Utilized Angular, GraphQL, Java & Protobuf to implement new features in the Cloud AI Vision Console UI & Backend

### Cloudflare - R2 Storage Team

*May 2022 - August 2022*

Software Engineer Intern - Full Time

Remote

- Implemented an automatic content-type detector for uploaded files that is utilized in ~4M requests/day
- Developed an internal storage access tracing tool that supported traces across a full-stack infrastructure
- Utilized TypeScript, C++, Go, Cloudflare Workers, and Cap'n Proto in the storage tracing tool & content-type detector
- Closed ~10 JIRA tickets implementing functionality enhancements in the production API & runtime environments

## Personal Projects

**cClip (website: cclip.app)** | Dart, Java, Swift, Rust, TypeScript, Firebase, Flutter

- Created an end-to-end encrypted cross-platform real-time file, image, and text sync application with ~350 users
- Utilizes Flutter for mobile + web, Swift & Appkit for macOS, TypeScript on Cloudflare Workers for the API, and Rust with FFI for the WebRTC direct transfer (peer-to-peer file sharing) implementation
- Created a custom usage-based billing implementation with Stripe, RevenueCat, Cloudflare Workers, and Firebase

**smb\_reader** | Rust, SMB, TCP/IP, Compilers & ASTs, Networking

- Developed an open-source parser and server implementation of the SMB protocol fully-compliant with official specs
- Relied upon Rust's procedural macros to operate on message structure ASTs for automation of (de)serialization logic
- Provides a simple message format & backend implementation to enable rapid filesystem development for developers

**dargon2 & Argon2Swift** | Swift, Dart, Flutter, FFI, JavaScript, C Interoperability

- Wrote an open-source plugin to implement Argon2 password hashing functionality in Dart/Flutter + Swift apps
- Available for all Flutter & Dart platforms (Web, iOS, Android, macOS, Windows, Linux) and Swift-supported targets
- Recognized as the official plugin for Argon2 password hashing for Dart, Flutter, and Swift Applications

## Organizations

**Hack4Impact (Bits of Good)** | Georgia Tech

*Jan 2023 - Present*

- Completed tickets as a backend developer to build API & server side functionality for the nonprofit Angels Among Us
- Architected & implemented the end-to-end image & video upload/download flow utilizing R2 Storage & MongoDB, featuring dynamic image resizing, upload security, and caching optimizations for the high-read + low-write use-case
- Developed core API endpoints for post creation/modification and user creation/management

## Awards

**Winner (1 of 300 internationally)** – Apple WWDC21 Swift Student Challenge

*June 2021*

**1st Place Winner** – hackMCST (hackathon) @ Morris County School of Technology

*October 2019*

**1st Place Winner** – makeSPP (hackathon) @ St. Peters Prep High School

*April 2019*

## Skills

**Languages:** Rust, C++, C, Go, Swift, Java, Dart, TypeScript, JavaScript, GraphQL

**Frameworks:** OpenCV, Flutter, iOS (UIKit), Android, macOS (AppKit), Node, React, Next.js, Angular

**Technologies:** Cloudflare (Workers, Pages, R2, KV, Zero Trust), Firebase (Auth, DB, Messaging), Git, Postgres, MongoDB