Gopal Othayoth

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CAREER OBJECTIVE

Highly motivated self-learner seeking an internship position in a company where I can leverage my academic and professional skills to create ubiquitous and innovative solutions.

EDUCATION

Texas A&M University (Present)   Class of 2025
- Pursuing BS in Computer Science, Honors

Flower Mound High School   Class of 2021

COMPUTER SCIENCE ACTIVITIES

Website/software development and design (personal), *Developer*   2 hrs/wk 9-12
- Designed, developed, and deployed Software R&D knowledge website (https://cerebraldatabank.neocities.org/) with more than a quarter million views focused on:
  - Languages: HTML, CSS, JavaScript, C++ (Code samples, concepts)
  - Online game programming and design (The Platformer, Adventure Shell, Desktop Simulator, Internus Virum, etc.). All games run within a browser and do not require installation and have zero footprint.
  - Complete web-based desktop environment (GopalOS). Zero-installation, lightweight web-based desktop environment with optional persistent filesystem backed by browser storage.
  - Coding samples, references, and CSS class library (GOGO CSS), TI-84 Plus CE calculator programs
- Developed open-source Node.js-based video downloader tool (Gopal's Video Downloader, https://gopal-video-downloader.herokuapp.com/). This utility is able to capture, format, and download network media streams and is capable of handling multiple formats.
- Contributed code and documentation to numerous open-source projects on GitHub
  - GitHub profile (personal projects and open-source contributions): https://github.com/CerebralDatabank
  - Wrote the initial documentation for and contributed to the development of the Discord bot Karbon (GitHub: https://github.com/Karbon-Discord/Karbon). Karbon is a bot capable of everything from lotteries to battles that runs on the Discord communication network.
  - Contributed to the development of the web-based desktop environment AaronOS (GitHub: https://github.com/MineAndCraft12/AaronOS). AaronOS is a complete web desktop environment with many commonly used applications already provisioned and was one of the inspirations for me to create GopalOS as an independent desktop environment.

Website/software development and design (commercial), *Developer*   2 hrs/wk 12
- Developed a complete website using responsive design (adaptive layout) for my local community homeowners' association including administration portal and announcement system
- Provide hosting, administration and technical support for homeowners' association website

Custom PC, *Builder*   3 hrs/wk 11-12
- Built custom productivity and gaming PCs for family, friends and neighbors
- Built numerous air and liquid cooling solutions for high-performance PCs

PopID (startup), *Research and Development*   2 hrs/wk 10-12
- Performed research and development in biometrics/facial recognition and programming
- Performed comparative benchmarking of biometric algorithms (ongoing)

Lewisville ISD IT, *Shadow*   6 hrs/wk 11
- Shadowed an LISD IT services programmer to learn more about programming careers

COMPUTER SCIENCE SKILLS AND CERTIFICATIONS

Programming Languages:
- Knowledge of and experience with HTML, CSS, JavaScript, Node.js, C++, Java, and Python

Certifications
- Passed TestDome HTML/CSS/JS test, ranking in the top 10% (https://www.testdome.com/cert/04bc7bab86aa4420964a4a018fe41178)
- Passed TestDome JavaScript test, ranking in the top 10% (https://www.testdome.com/cert/d1aa28dd91c04a0b84264c7f762fe09b)
- Passed TestDome Network Administration test, ranking in the top 10% (https://www.testdome.com/cert/4321c8531ef44fbeb1f092d31b73c20f)
- Passed TestDome Administrative Assistant test, ranking in the top 25% (https://www.testdome.com/cert/28d9eb58028446278f21f91dec88f6d0)
- Passed TestDome Java test, ranking in the top 10%
- (https://www.testdome.com/cert/75aea60b676c4714a883071f320a7539)
- Completed the following courses on SoloLearn: CSS Fundamentals, JavaScript tutorial, and HTML Fundamentals

HONORS AND AWARDS

Honor Roll	(grade) 9, 11
College Board AP Scholar with Distinction	10-12
National Honor Society Member	11-12
Gifted & Talented Program	9-12
National Merit Commended Scholar	12
TAMU College of Engineering Dean's Honor Roll	Fall 2021