RIJUL KAKAR

Hardware/Software Engineer

CONTACT

📞 **469-617-0098**

✉️ **Rijul.Kakar@tamu.edu**
   RijulKakar1@gmail.com

📍 **Plano/College Station, Texas**

🌐 **rijulkakar.tech**

EDUCATION

TEXAS A&M UNIVERSITY
College Station, Texas
B.S. in Computer Engineering
2021 - 2025 (expected)
GPA: 3.45

COURSEWORK

- CSCE 121: Program Design and Concepts Intro
- ECEN 248: Digital Logic Design
- CSCE 221: Data Structures and Algorithms
- CSCE 222: Discrete Structures
- ECEN 214: Electric Circuit Theory
- ECEN 350: Computer Architecure
- CSCE 313: Computer Systems
- ECEN: 314: Signals and Systems

KEY SKILLS

- C/C++, Java, Python, HTML, CSS, JavaScript
- ARM Assembly and Verilog
- Breadboarding and circuitry
- Familiar with AI such as GPT and google BARD
- Excellent interpersonal and team communication skills
- Strong attention to detail and desire to produce high-quality work

PROFILE

Current college Junior aspiring to add value to a mission-driven company as either a hardware or software engineer. Proficient in a variety of programming languages along with hardware skills such as breadboarding and processor design.

PROJECTS

Music Bot for Discord

- Used Python and Java to create a multi-functional music player for Discord
- Gained knowledge in various libraries such as Discord.py, Wavelink, and dotenv

Processer in Verilog

- Worked with Verilog and ARM Assembly to create a functional processor with separate caches
- Experience with rigorous testing throughout the whole design process

AC Response of Circuits

- Designed and built 1st and 2nd order circuits virtually and physically
- Used Sallen-Key Circuits to graph input and output waveforms using a function generator

EXPERIENCE

IT STUDENT TECH
TAMU College of Arts and Sciences, College Station, TX
May 2023 - Present

- Set up and deploy various computing machines to users across campus
- Operate and work with Linux and command line
- Monitor ticketing systems to resolve problems
- Collaborate with a team to work on related projects
- Connect with users and solve IT-related issues

PROJECT MANAGER
Aggie Coding Club, College Station, TX
June 2022 - December 2022

- Worked with web development in HTML, CSS, JavaScript, and Python
- Coordinated and led my team to a unified goal
- Gained knowledge of different libraries such as PyScript
- Attained valuable experience with GitHub and command line