

Dhiraj Rishi Atmakuri

✉ rishi.atmakuri@gmail.com ☎ 346.404.5507 📍 2855 Comrel Ctr Blvd Apt 733, Katy TX 77494

Objective

Motivated and enthusiastic Computer Engineering undergrad seeking a summer internship position that gives hands on experience and opportunity to further develop and enhance my technical and management skills.

Education

Computer Engineering (Class of 2025) 2021 – present
Texas A&M University (College Station)

Courses

Computer Science

Data Structures and Algorithms, Computer Architecture and Design, Discrete Structures for Computing, Data analytics and data modelling using BI tools, Data extraction using SQL.

Electrical Engineering

Program Design and Concepts, Digital Systems Design, Electrical Circuit Theory, Random Signals and Systems,

Skills

Programming Languages:

C++, Python, Java, and Verilog.

Interpersonal Skills

Technical writing and fluency in English, Hindi

Electronics Prototyping

Circuit design principles and breadboarding, Microprocessor systems design

Activities

Tennis Summer Coaching

2021 - 2023

Aggie Coding Club

2023

Projects

Algorithmic Trading System

- Developed a logic using **Python** script that provides stock traders with valuable information for optimizing buy and sell decisions thus improving their overall winning trades.
- Generated predictive markers indicating potential price movements, and strategically indicating them when to take profit or exit out of the trades thus maximizing their profits.

Automated Point Collection Project

- Developed a Python script to automate Bing searches on Microsoft Edge, allowing for seamless and efficient execution of predefined queries.
- Contributed to significant time savings by automating repetitive tasks, allowing team members to focus on more critical responsibilities.

Image Processing and Seam Carving Project

- Developed a C++ image processing application for tasks including image loading, resizing, and seam carving.
- Implemented functions to dynamically create, manipulate, and save images in P3 format.
- Contributed to the creation of a versatile tool for image manipulation, enabling efficient image resizing and content-aware transformations.
- Demonstrated attention to detail by implementing error handling for various scenarios, ensuring robustness and reliability in image processing tasks.