AMAN DWIVEDI

520-910-8976 | adwivedi@arizona.edu | Tucson, Arizona |
https://github.com/Aman-Dwivedi | amandwivedi.herokuapp.com | https://www.linkedin.com/in/amandwivedi16

EDUCATION

Bachelor of Science in Computer Science, GPA: 4.0   *Expected May 2024*

University of Arizona, College of Science, Tucson, Arizona

Merit Scholarship: $35,000/year

Awarded Dean's List with Distinction Academic Recognition Fall 2020, Fall 2021, Spring 2022

Awarded Honorable Mention Academic Recognition Spring 2021

Awarded Academic Year Highest Academic Distinction Spring 2022

TECHNICAL SKILLS

Languages/Technologies: Python, Java, SQL, HTML, CSS, C, MATLAB, UNIX, VIM

Relevant Coursework: Object-Oriented Programming and Design, Algorithms, System Programming and Unix, Discrete Structures, Computer Organization, Linear Algebra, Calculus I & II, Dealing with Data

RELATED EXPERIENCE

University of Arizona, Department of Computer Science

Undergraduate Teaching Assistant   *Aug 2021 - Present*

- Hold weekly office hours to clarify student questions which enabled essential curriculum understanding
- Hold weekly supplemental instructions sections with 8-10 students to reinforce lecture topics and provide additional study resources to students
- Assist instructor with grading assignments and exams

Blue Chip Leadership Program   *Aug 2021 – Dec 2021*

- Participated in a Leadership program which focused on design thinking
- Worked in a group to tackle problems on campus using design thinking

PROJECTS

Portfolio Website

- amandwivedi.herokuapp.com
- Website made using **Flask**, **HTML**, **CSS**, and **Bootstrap**

Handwritten Digit Recognition

- Collaborated in building a convolutional neural network in **Python** that can predict what a user draws on a canvas
- Trained using 60000 images from MNIST dataset and some libraries used are **NumPy**, **Matplotlib**, and **TensorFlow**

Stock News Update

- Gets the daily change in stock price and the relevant news associated with it using **API**
- Sends a text message alert of the change using **TWILIO**

Spotify Playlist Creator

- Creates a Spotify playlist on your personal account of the top 100 songs on the billboard's website for a specific date
- Makes use of **Beautiful Soup** for web scrapping and **Spotipy** library for use of **Spotify API**

Concentration Game

- Designed and developed the multiplayer game using **Java** and **SWT**
- Applied **Object Oriented Programming** concepts to break down the project into several classes.