

Navkaran Mann

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EDUCATION

The Pennsylvania State University

Bachelor of Business Management in Marketing, Bachelor of Science in Computer Science
GPA: 3.88

May 2021

University Park, PA

Delaware County Community College

Microsoft Technology Associate Course

Mar. 2020

Media, PA

PROFESSIONAL EXPERIENCE

Dell Boomi

Platform Engineer Intern

May 2020 – Aug. 2020

Chesterbrook, PA

- Created and updated multiple dashboards displaying forecasting analytics that led to an **33% improvement** in project delivery and team coordination
- Designed over **15 integrations** on the AtomSphere platform to pull from databases in MySQL & Salesforce to display timecard data in an organized format on a central view
- Built a centralized dashboard containing all the necessary metrics for consultants to input billable hours- thus significantly **reducing possibility of errors** and product manager intervention
- Networked with various executive level employees resulting in invaluable insight into optimizing budgeting, business margin, and prospecting sales leads

MAJOR PROJECTS & ACHIEVEMENTS

Tetris AI

Mar. 2022

- Built Tetris AI using **reinforcement learning** in Jupyter Notebook
- Created Tetris environment in OpenAI Gym and established numerical reward system for agent
- Trained model with environment and reward system until average score was optimized

Galactic Chemical Evolution Program

Oct. 2021

- Collaborated with **physics professor** to develop code designed to model the changes of chemical composition in galaxies.
- Using star formation history and zone models the program can decisively calculate the evolution of gas, metals, and dust in galaxies
- Utilized multiple Python libraries to compute high-level mathematical functions and visualize large data sets (**NumPy/ AstroPy/ Matplotlib**)

Semifinalist in HACKPSU HACKATHON

Nov. 2020

- Worked with a team of 4 to develop **Python program** that took your top 3 favorite characters from *The Office* and recommended episodes in which those characters had the most screen time.
- Stored user input in a variable and looped through a list of episodes organized by character screen time.

SKILLS, STRENGTHS, & INTERESTS

- **Skills:** Python | C++ | Machine Learning | Amazon Web Services | Microsoft Excel | MySQL | Object Oriented Programming | API Management | JavaScript
- **Strengths:** Clear Oral and Written Communication Skills | Public Speaking | Team Building
- **Interests:** Cooking | Reading | Stand-up Comedy | Mathematics