

# Abeer Mathur

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## EDUCATION

**Pennsylvania State University, College of Engineering** - Cumulative GPA: 3.52

Major: Bachelor of Science in Computational Data Science

Minor: Mathematics, Statistics

State College, PA

Expected Graduation: May 2024

**Relevant Coursework:** Data Structures and Algorithms, Programming in Python, Data Management for Data Science, Statistics, Probability, Artificial Intelligence, Web based Object Oriented Programming, Machine Learning in R.

## EXPERIENCE

### Assistant Data Scientist

State College, PA

*Dr Brick's Project Penn State Department of Health and Human Development Volunteer*

Oct 2021 – May 2022

- Utilized database management skills to extract and clean data regarding recovering addicts from an online database using SQL and R.
- Examined the dataset and built functioning data visualizations like charts and digital line graphs using Tableau.
- Analyzed the dataset and communicated key findings in a formal presentation to my team so they can better understand the dataset.

### Lead Data Scientist

State College, PA

*KCF Technologies (Automotive Company), Engineering Leadership Society Volunteer*

March- April 2022

- Worked collaboratively to collect data from major automotive companies regarding Industry 4.0 Practices.
- As the lead data scientist, I created visualizations on the survey data using Tableau and debriefed my team on my findings.
- Lead the team and presented our findings to the executives at the company and utilized excellent communication skills to articulate complicated technical language.

### CodePath Android Development

State College, PA

*CodePath*

June-July 2021

- Attained a certification in Android App Development through CodePath
- Incorporated Agile programming methodologies to create clones of Apps such as Instagram, Twitter, and Flickr.
- Collaboratively worked on a final project.

### Artificial Intelligence Tic Tac Toe Game

State College, PA

*Personal Project*

2020

- Utilized my knowledge of data structures, algorithms, and object-oriented programming concepts to apply the minmax algorithm and build a two-player tic tac toe game in JAVA.
- Demonstrated excellent time management and critical thinking skills to break the project into manageable weekly goals.
- Integrated a GUI that supports a two-player system through the JOptionPane library.

### Hackathon (Hack Violet)

State College, PA

*Hack Violet Participant*

2020

- Worked collaboratively with engineers from different counties and backgrounds to build a cohesive product.
- Built a mental health web app using HTML, CSS, and JavaScript.

## LEADERSHIP/ EXTRACURRICULARS

### Statistics Club

State College, PA

*Vice President*

2023-2024

- Lead club activities organized club social events, spoke to sponsors and companies to organize talks, trips and activities for club members.

### 50/50 Raffle

State College, PA

*Volunteer Sales associate*

November 2022

- Made \$3090 in raffle ticket sales in 3 hours through my excellent communication and negotiation skills.
- Ranked 2<sup>nd</sup> out of 25 sales representatives at the event while being the only individual seller in the group.

### Engineering Leadership Society

State College, PA

*Member*

2020 – Present

- Participated in club sponsored projects (KCF Industry 4.0 Project).

## SKILLS & INTERESTS

**Language:** Fluent in English, Hindi.

**Technical:** Java, Python, SQL, Tableau, R, AWS.