KASHISH GUJRAL

kashishgujral.30@gmail.com | kmg6272@psu.edu | 469-389-8132 | linkedin.com/in/kashish-gujral-108655170

EDUCATION

The Pennsylvania State University, The College of Engineering   University Park, PA
Bachelor of Science, Computational Data Science   Dean's List: 2/7 semesters
GPA : 3.20   Expected Graduation: May 2022

RELEVANT COURSE PROJECTS

- **SQL - Library Management System Database**: Created relational tables, Entity Relation diagrams and database designs that led to a full working database using MySQL Server. Created 5 tables, inserted 100 entities, and performed 20 Queries.
- **R** - **Grammy Nominated Records of the Year:** Scraped data from an external Wikipedia link and wrangled into a tidy form. Created a data set that combined all the records into one data frame and allowed for the lyrics to be attached to the data verbs to manipulate the data frame for project completion. Using Proper Data Visualization, created graphs, that allowed for the project to be submitted as a self-contained GitHub Repo.
- **R** – **Reddit topic prediction based on comments:** Used data wrangling, linear and logistic regression, regularization, XGBoost, unsupervised learning(PCA), t-distributed stochastic neighbor embedding(t-SNE) and Gaussian mixture model(GMM) to build a model to predict the reddit topic based on the text of comments.
- **R** – **Fraud Detection on Car Insurance:** used models like Posterior Analysis, General Linear Models, Regression, Naive Bayes Classification, Spike-and-Slab, Hierarchical Regression to build a prediction model.
- **JAVA using NetBeans** – **Room Scheduling Builder:** Created an application, where one can add, drop and book a room, using GUI interface and Derby database driven. There is a very close correlation between Object-Oriented Design and Database Design.

WORK AND LEADERSHIP EXPERIENCE

Penn State University Park – Nittany AI Alliance | *Intern*   *August 2021 – Current*
- Collaborating with a team of 5 people on the Non-Profit Organization Matching Project (matching volunteers to nonprofit organization opportunities)
- Illustrating and explaining in weekly meetings with the company- The United Way and the project manager
- Researching and collecting data about volunteers and non-profit work around the area of interest
- Formulating and designing an image survey, creating a basic website, setting up GitHub, finding possible templates, using Django (MVT, creating hello world app)
- Conducting image survey among student body and/or current volunteers to generate at least 10-character profiles

Penn State University Park - Office of Residence Life | *Resident Assistant*   *January 2021 – Current*
- Managing university residence hall floor of 30 ethnically diverse undergraduate students
- Serving as a mentor, academic, personal resource, and assist students in their transition to college
- Ensuring the safety of students and work with professional staff to create healthy environments
- Organizing and implementing community builder activities, programming, and workshops
- Conducting weekly duty, inspection rounds, ensure proper implementation of University, Residence Life and COVID-19 guidelines

Penn State University Park – Campus Recreation | *Facility Attendant*   *February 2021 – August 2021*
- Supervised entry and exit access into the Intramural Facility, answered phone calls, issued sporting equipment
- Implemented COVID-19 guidelines by sanitizing each workstation and equipment after every session, ensured social distancing measures and mask-enforcement policy
- Ensured full-time safety and security of the facility and provided helpful customer service
- Assisted students and facility members with questions related to policies, programs, and services provided

Penn State University Park – Office for Summer Session | *Peer Mentor*   *May 2020 – August 2020*
- Counseled 24 students on personal and academic guidance to ensure a smooth transition to college life
- Organized 100 plus community builder activities and events while collaborating with 10 mentors
- Built successful relationships through effective communication strategies that encouraged high performance
- Updated professional staff weekly on mentee performance through Microsoft Teams

CAMPUS INVOLVEMENT

South Asian Student Association – Penn State Altoona | *President & Founder*   *January 2020 – May 2020*
- Created a platform for South Asian and other students to display and embrace their culture
- Planned Asian cultural activities, community builders and events weekly
- Conducted weekly meetings with members and advisor to go over programming and ideas

Bowling Team - Penn State Altoona | *NCAA Division III Athlete*   *August 2019 – May 2020*
- Conditioned twice in a week and competed in 3 tournaments with different Division III schools

SKILLS SET

Python, JAVA, SQL, R, Machine Learning, MongoDB