Iram Morshed

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EDUCATION

University of California, Berkeley   Expected May 2023
B.A. – Computer Science, Double Minor in Data Science, Political Economy   Cumulative GPA: 3.45
Coursework: Data Structures, Computer Architecture, Algorithms, Discrete Math, Data Science, Cybersecurity, Artificial Intelligence, Data Mining, Machine Learning and Analytics, Probability

SKILLS

Languages: Java, Javascript, Python, C, Golang, SQL, HTML/CSS
Technologies: Git, Microsoft Azure, Postman, Swagger UI, Jupyter Notebook, scikit-learn, Matplotlib

WORK EXPERIENCE

Software Engineering Intern | Gap Inc.   June - August 2022
- Migrated and verified millions of records across platforms for multiple business units using Microsoft Azure, Postman, Swagger UI, SQL queries, and Gradle build tools
- Implemented marketing flags in Java and pushed changes to existing codebase to process and categorize data records based on specific attributes

Web Development Teaching Assistant | Girls Who Code   June - August 2021
- Instructed 90 high school students in HTML, CSS, JS across 3 teaching teams
- Debugged student-specific issues on 3 different projects, provided additional mentorship and tutoring
- Increased engagement by adding demos, visuals, activities and responded to daily student feedback
- Coordinated event logistics with corporate partners—Wells Fargo, Ernst and Young, JPMorgan Chase—and facilitated discussions between students and employees

PROJECTS

Encrypted File-Sharing | *Golang*   April 2022
- Developed client application for secure file-sharing (like Dropbox); users can authenticate themselves, save/load files to server, overwrite/append to saved files, share/revoke access to files
- Secured data with cryptography (Symmetric/Asymmetric Encryption, Digital Signatures, HMAC) to avoid adversarial server from viewing or tampering with it

Titanic Survival Model | *Python, scikit-learn*   October 2022
- Trained neural network to predict survival rate of passengers on Titanic based on 7 features
- Optimized model parameters with GridSearchCV and K-Fold Cross Validation to earn 80.8% accuracy rate on unseen data

Gitlet | *Java*   May 2020
- Programmed Java version-control system with 13 commands such as merge, commit, add, remove, checkout
- Incorporated file persistence, data structures, SHA-1 hashcodes to store/track current and past file contents

EXTRACURRICULARS

SWE++ Instructor   Feb 2021 - Jan 2022
Society of Women Engineers | Berkeley, CA
- Collaborated on team of 10 to lead 10-week introductory Scratch, Python course to 26 middle-school girls
- Created coding demos, lesson plans, engaging activities on a weekly basis
- Designed promotion materials and facilitated workshops for Tech Day, two-day session for 100+ students