

SHREEYA GAD

[Email](#) | [Personal Website](#) | [LinkedIn](#)

EDUCATION

Cornell University

Ithaca, NY (Aug 2017 – Dec 2021)

Computer Science, Master of Engineering

Computer Science, Bachelor of Arts

Business Minor for Engineers

WORK EXPERIENCE

Facebook, Software Engineer Intern

Menlo Park, CA (June 2021 - Aug 2021)

- Determined best feature selection method for ads ranking model to mitigate loss of data from recent Apple privacy updates, yielding 11% improvement in offline gains over baseline
- Automated an alternative feature selection method and contributed code into core Facebook ML package for platform-wide usage
- Integrated best feature selection method and alternative feature selection method into model building automation pipeline, laying the groundwork for ads ranking engineers to improve the performance of the production ads ranking models

Gusto, Software Engineer Intern

San Francisco, CA (June 2020 - Aug 2020)

- Enhanced Payroll experience through end-to-end Expense Reporting feature w/ Faster Payments Experience team
- Deployed feature to 1,400+ of Gusto's 100,000 customers for employees to submit reimbursements to their employers
- Within first month of deployment, 180 companies used the feature, 922 reimbursements were submitted, and 657 were approved
- Leveraged Ruby on Rails to provide Model-View-Controller infrastructure for backend and React to support frontend

Publicis Sapient, Software Developer Intern

New York City, NY (June 2019 - Aug 2019)

- Increased product visibility for Consumer Direct Marketing team with social listening web application built using Python & React
- Analyzed 100+ news articles/day to gather sentiment about client's products using Python libraries (Beautiful Soup, Scikit-learn)

PROJECTS

[Mood Tracker](#), Master of Engineering, Cornell University (Fall 2021)

- Created React website with an emotion classifier that dynamically analyzes a user's text statuses and tracks their mood over time
- Trained a recurrent neural network to 90% validation accuracy w/ PyTorch, incorporated online learning by updating the model with the user's feedback on its predictions, and persisted the changes by downloading/uploading models from an AWS bucket
- Added security and user authentication with Okta and organized data into user-friendly charts with nivo to present metrics

[Listen & Learn](#), CS 4300, Cornell University (March 2021)

- Developed recommendation engine for podcast episodes by filtering on the user's preferred genre, episode length, etc. and comparing the TF-IDF similarity score between the user input and the description of each filtered episode
- Scraped episode titles, reviews, and ranks from Chartable using BeautifulSoup, cross-referenced episodes in Spotify to obtain episode descriptions w/ Spotify API, and uploaded TF-IDF vectors of episode descriptions to Amazon S3 for efficient data storage

[OOPLang](#), CS 4110, Cornell University (March 2020)

- Implemented interpreter for simple object-oriented language similar to Java that supports class inheritance and type-checking
- Designed syntax, developed lexical parser, and created UI to enable user to run OOPLang programs and interactive interpreter

[NATE-QA](#), CS 3110, Cornell University (March 2019)

- Developed chatbot in OCaml that parses through corpus of 100+ Wikipedia articles to answer CS-related questions
- Utilized NLP/IR algorithms (TF-IDF, Jaccard, Cosine Similarity) to identify answer & provide suggestions to typos in user queries

ACTIVITIES

Teaching Assistant, Computer Vision (Jan 2021 – May 2021)

- Held weekly office hours to answer students' questions and graded coursework for CS 4670 by Professor Bharath Hariharan

Hack4Impact, Full-Stack Software Developer (Feb 2018 – Nov 2019)

- Delivered web-driven solutions to social issues presented by non-profit organizations, utilizing Flask, Python, JS, & HTML/CSS

Women in Computing at Cornell, Vice President of Community (May 2019 – May 2020)

- Managed team of 6 Community directors to organize 25+ discussions for 2000+ WICC members and host undergraduate & alumni mentorship programs in collaboration with CIS administration & other CIS student groups

SKILLS

Full proficiency: Python, Java, JavaScript (React) | **Intermediate proficiency:** Swift, Ruby (Ruby on Rails)