KIRAN S. GITE

kgite28@gmail.com • linkedin.com/in/kirangite
U.S. Citizen

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, College of Engineering **Atlanta, Georgia**
Bachelor of Science in Industrial Engineering *May 2020*
- Minor: Engineering & Business through the Denning Technology & Management Program GPA: 4.0
- Concentration: Analytics
- Denning International Experience in Hong Kong and Shenzhen, China at Shenzhen University

EXPERIENCE

NCR CORPORATION **Atlanta, Georgia**
Business Operations Intern / NCR Silver *May – August 2019*
- Examined accounts receivable process to identify and eliminate pain points, presented recommendations to leadership
- Wrote, tested, and trained coworkers on macros automating manual spreadsheet actions, saving over 2 hours per week
- Analyzed and visualized customer segment data with Tableau to identify trends and risk factors for past due accounts
- Worked with marketing team to implement communication strategy in Salesforce that could reduce costs by 25% ($30K)

UNITED AIRLINES, INC. **Chicago, Illinois**
Intern / Continuous Improvement and Enterprise Optimization *January – July 2018*
- Developed model showing impact of boarding fewer low-demand beverages, identified $13M in potential fuel savings
- Analyzed flight departure data to find performance gaps in a subset of flights, presented findings to airport vice president
- Created Spotfire dashboard for airport baggage operations to track key metrics and pinpoint problem areas
- Recommended data-based changes to baggage claim flight assignments, resulting in above-goal monthly performance
- Facilitated workshop with airport employees about baggage processes, which resulted in potential solutions for pain points

PROJECTS

WARE2GO **Atlanta, Georgia**
Ware2Go Next: Denning T&M Program Capstone Project *August 2019 – May 2020*
- Collaborated with interdisciplinary team to research a heads-up display application for Ware2Go picking processes
- Developed understanding of picking process pain points to detail user stories and user journeys for a new app
- Delivered proof of concept for heads-up display app that could generate over $500K in savings for warehouse network

GEORGIA INSTITUTE OF TECHNOLOGY **Atlanta, Georgia**
Georgia World Congress Center Waste Diversion Senior Design Project *August 2019 – May 2020*
- Provided actionable recommendations to increase waste diversion and sustainability in GWCC's dynamic environment
- Created cost-effective waste sorting processes validated through simulation, developed fee structure to align incentives
- Recommended pricing and waste hauling changes that could triple waste diversion and save >3K tons of CO_2 equivalents

GEORGIA INSTITUTE OF TECHNOLOGY **Atlanta, Georgia**
Undergraduate Research: Efficient Algorithms for Dynamic Pricing *January – March 2020*
- Wrote and refined optimization models in Julia to determine optimal price sequences based on generated customer demand
- Ran large-scale computations to compare the performance of a more efficient reference price model to the exact model
- Created informative visualizations comparing performance for different demand distributions and customer memory values

Undergraduate Research: Seismic Wave Change-Point Detection *January 2019 – present*
- Learned about digital signal processing in a short timeframe and used knowledge to study geyser signals
- Processed and filtered large volumes of cross-correlation data to convert into form that facilitated analysis of signals
- Created visualizations showing signal delays and strengths over time to visually identify change points

Managing Product, Service & Technology Development (MGT 3744): Semester Project *January – May 2019*
- Collaborated with cross-functional team to develop a solution for maintaining productivity with a laptop on the go
- Interviewed 30 potential users to identify and classify user needs, used iterative design process to create product
- Prototyped and tested a solution with empirical experiments, results showed significant increases in productivity measures

Online Learning and Decision Making (ISYE 4803) Semester Project   *August – December 2019*
- Scraped stock data to test hypothesis that online algorithmic portfolio selection is better for high-volatility portfolios
- Implemented online algorithms with varying hyperparameters and functionality that mimics the role of transaction costs
- Collaborated with team to visualize results and determine the settings that gave the highest returns for different portfolios

Epic Intentions: Atlanta Speech School Data Visualization   *August – December 2017*
- Collaborated with interdisciplinary team to communicate with and provide solutions for nonprofit Atlanta Speech School
- Wrote an executable Python script to clean the client's manually collected data in Excel to facilitate data analysis
- Created map visualization for school leadership in Tableau to help assess performance of literacy programs by county

LEADERSHIP

GEORGIA INSTITUTE OF TECHNOLOGY   **Atlanta, Georgia**
Vertically Integrated Projects: Data-Driven Education Team Lead   *August – December 2018*
- Coordinated meetings and helped to assign roles to members of interdisciplinary team and keep project on schedule
- Served as liaison between team and graduate advisors, solicited feedback about project direction and analysis methods
- Established best practices for analyzing student academic data, learned about postgreSQL system in short time frame

HINDU YOUTH GROUP   **Boston, Massachusetts**
Group Leader   *October 2012 – July 2018*
- Organized team-building activities for 220 people at family camp, served as liaison between campers and planning team
- Planned and ran seven-day sleepaway camp for 30 children aged 5-11, helped with food and communication logistics
- Coordinated International Yoga Day event for 800 participants, my t-shirt design was later used in other cities' events

SKILLS/INTERESTS

Programming: Python, R, SQL, JavaScript and d3, Excel, MATLAB, Tableau, Simio, CPLEX, Gurobi
Other: Interpersonal communication, fast-paced learning, analytical thinking, problem solving, teamwork
Coursework: Statistics, optimization, simulation, machine learning, finance, marketing, accounting, product development
Awards: National Merit Scholar, Faculty Honors, GT Women in Engineering scholarship winner
Affiliations: Alpha Pi Mu industrial engineering honor society, Epic Intentions design club, undergraduate research
Languages: English – native, Marathi – fluent, French – intermediate