TARANNUM (TARA) GUPTA
Computer Engineering

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SKILLS

Languages:

Python, C++, C, SQL, Java, PHP, Matlab, HTML, CSS, JQuery, VHDL, ARM

Tools:

Amazon Web Services (AWS), Git, Linux, Subversion, JIRA, SOAPUI, Postman, Tableau, Google Analytics, Google Tag Manager

Other:

Agile, Facilitation Skills, Lean, Six Sigma, JSON, XML, Bootstrap, Laravel

PROJECTS

Employee Turnover Prediction (Amazon Machine Learning, Python):

https://github.com/t23gupta/ML-EmployeeTurnoverPrediction

Leveraged Amazon Machine Learning and Python (pandas and scikit-learn) to predict employee turnover at EllisDon with 86% and 82% accuracy rates respectively, using HR data

Waterloo EngHack Hackathon (Java):

https://github.com/t23gupta/EngHack-Project

Collaborated with two group members to develop a Tic-Tac-Toe game

Website (Bootstrap, HTML, CSS):

https://github.com/t23gupta/Website-on-Dubai-Tourism

Currently designing responsive website on Dubai Tourism

EDUCATION

University of Waterloo   2016 - Present

Candidate for Bachelor of Applied Science in Computer Engineering

WORK EXPERIENCE

Data Engineer   **May 2018 – Aug 2018**
EllisDon Corporation, Mississauga, ON
- Built ETL data pipeline by extracting data from third party applications using their SOAP and restful APIs to store it in a Data Lake and a MySQL Data Warehouse using Python
- Deployed the data pipeline in AWS cloud using technologies like EC2, S3, Lambda, RDS, Secrets Manager and Cron and managed networking with Security Groups, IAM Roles etc.
- Collaborated with a multidisciplinary team in an Agile work environment

Reporting Developer/Analyst   **Sep 2017 – Dec 2017**
TELUS, Toronto, On
- Developed front end features and graphic design for Scorecard web app
- Analyzed project data using MS SQL implementation in Tableau to compute project completion related metrics
- Integrated and wrote PHPUnit tests in Laravel framework for web app
- Presented project progress, roadmap and next steps to Director and VP
- Facilitated resume scanning, question preparation and interviews of future co-op students

Front-End Developer   **Jan 2017 – Apr 2017**
Pave AI – Automated Analysis, Waterloo, ON
- Created intuitive web UI using HTML and CSS resulting in 10% increment in lead generation
- Incorporated accordions, slideshows, forms, Google Maps with pointers, review feeds etc. using APIs, plugins and widgets
- Designed marketing brochures and prospectus for company's social media handle
- Prepared guide on goal setup and tracking in Google Analytics and Tag Manager for lead generation and ecommerce websites

Technical Marketing Intern   **May 2016 – Aug 2016**
Terrazzo Dubai Co. LLC, Dubai, UAE
- Prepared technical report on Fire Testing construction material to obtain Flame Spread Index and Smoke Developed Index
- Analyzed material constituents and its usage for construction in accordance with ASTM E84 standards
- Visited consultants and contractors to market construction products

ACTIVITIES

Dance Choreographer, UWICA (UWaterloo)	**Jan 2018 – Apr 2018**
Co-op Connection Volunteer, FEDS (UWaterloo)	**May 2017 – Aug 2017**
Academic Class Rep (UWaterloo)	**Sep 2016 – Dec 2016**