


KUMUDIKA PANDEY

4A DEVELOPER | DESIGNER

SEEKING FALL 2021 INTERNSHIPS & FULL TIME 2022

 kumudikapan@gmail.com

 519 830 6694

 /kumudikapandey

EXPERIENCE

AUTODESK

USER INTERFACE DEVELOPER | JAN-APR 2021

Developed a **Knowledge-Capture Design application** to embed a communication and decision-making platform within the 3D design software using **Slack API** and **Fusion API**

- Built a **React** app using **Jenkins** and **Docker** containers, deployed on **AWS** and used **Git** version control for bug tracking
- Designed and implemented prototype features using **Node.js** and **Python Flask** framework
- Collaborated with engineering team to collect user feedback and conduct research to define feature requirements

APPLE

MAPS OPERATIONS INTERN | JUNE-SEPT 2020

Executed projects and enhanced **data collection logistics tools and software** to yield a more efficient workflow

- Troubleshooted **Python scripts** relating to **iOS and macOS hardware** management and performed basic configuration
- Constructed **Hive/SQL** queries in **Hadoop** and used **Tableau** for data analysis and dashboard visualization to improve logistics performances

PUROLATOR COURIER

PROCESS ENGINEER | SEPT 2019-APR 2020

Launched and managed a **Route Optimization software application** to automate processes by 92% and cut unnecessary costs

- Collaborated cross-functionally with ESRI's UX and engineering teams to provide analysis of as-is activities for route planning
- Troubleshooted **analytical model tools** relating to GIS and GPS data

MINISTRY OF ONTARIO

PROJECT ANALYST | JAN-APR 2019

Drove **data-mining projects** and delivered statistics and visualization to be presented in provincial and federal meetings

- Analyzed and updated existing database using **R**, **Excel** and **MySQL**
- Provided **Dashboards** and **Geospatial support** to show insights of provincial reports

PROJECTS

Twitter Developer: Built a real-time Tweet streaming platform that performed geospatial analysis and visualization using geo-metadata

Slack API Developer: Integrated Slack API, recreated Slack interface and implemented a real-time chat function to a web app

Analytics: Performed spatial analysis and modeling using ArcGIS, QGIS, RStudio and PostgreSQL + conducted Satellite image retrieval and analysis using Geomatica, SNAP, and Google Earth Engine

ABOUT ME

Self-motivated and goal-oriented with an eagerness to accept challenges.

Versatile experience in;

product design + management
data analysis + visualization
UI/UX design + development

SKILLS

Languages

Python, SQL, C/C++, R

JavaScript, HTML, CSS

Tools

ReactJS, Node.js

Pandas, Numpy

AWS - EC2 + S3 + DynamoDB

Hadoop/ Hive, PostgreSQL

Terminal, Unix, Git

Power BI, SPSS, Tableau

ArcGIS, Google Earth Engine

ACHIEVEMENTS & INTERESTS

Leadership

BRAAVO award at OMAFRA for leadership, intelligence and wisdom

Visualization

ESRI: ArcGIS Pro, Online, 3D analyst

Autodesk: Sketch, AutoCAD, Fusion

Figma, Procreate

Music

Royal Conservatory of Music Grade 8

Municipal and Provincial competitions

Travel

Volunteered and backpacked through Western Europe and Southeast Asia

EDUCATION

University of Waterloo

Honours Geomatics

Minor in Computer Science

Expected **Graduation April 2022**