**Languages**

C++, Python, SQL, NoSQL, JS, HTML, CSS, SQLAlchemy

**Analysis tools**

Pandas, Tableau, Power BI, TensorFlow, ETL, scikit-learn

**Cloud Systems**

AWS, Heroku

**IDEs**

MS Visual Studio, Eclipse, Arduino IDE

**Mechanical Software**

SolidWorks PLM, AutoCAD

**Product Design**

Experienced in gathering requirements, concept

**Education**

**Data Analytics (Boot Camp)**

University of Toronto

**Sep 2019 – Mar 2020**

**Masters of Engineering (Mechanical)**

Concordia University, Montreal, Quebec **May** **2012 - April 2014**

**Bachelor of Engineering (Mechanical)**

Canara Engineering, Karnataka, India **Sep** **2007 - May 2011**

**OBJECTIVE**

6+ years experienced value-driven & result oriented mechanical engineer with a proven track-record of working with cross-functional teams for conceptualizing, delivering & managing design projects of diverse domains. Armed with data parsing, analytics & visualization toolkits and with passion for condensing large data into a simple to understand story, desiring to work as Data Engineer. Adept at working independently and collaborating with teams across multiple functions to take information from a wide variety of sources and effectively break down concepts in layman terms to diverse audiences. Excel at solving complex problems

**PROJECTS**

**How growth in tech affects the growth of the cities Oct 2019 – Nov 2019**

Created an ETL model to observe the trend among some of the biggest cities, and upcoming cities in the United States to see how tech companies are shaping these cities. Developed the ETL pipeline for extracting data from US Gov. Census data and transformed data in Jupyter Notebook using Pandas library. Used matplotlib library to breakdown the concept and storytelling.

**Planet On Fire! Mar 2019 - Present**

Developed a web application to visualize current bush fire occurrences across the planet, analyzed the historic data & interpreted it to find anomalies and created machine learning model to predict the instances of the bush fires for the year 2020.

Created ETL pipelines in Python and used AWS RDS for PostgreSQL server & MongoDB Atlas for NoSQL. Used Jupyter Notebook for Extraction & transformation, vanilla JS was used for front-end. Created RESTful APIs using Flask framework to serve the JS libraries and to serve the cleaned data.

**EXPERIENCE**

**Mechanical Engineer,** Powersmiths International Corp. **Nov 2019 – Present**

Collaborating with team of electrical engineers, certification & compliances consultants and manufacturing vendors, designing electro-mechanical systems and driving projects idea to production. Implementation & execution of mechanical design intent for structural integrity, manufacturing and cost.

**Product Owner,** Rakr Inc. **Aug 2018 - Nov 2019**

Created project plan & deliverables, determined resources & set timeline and created test plans & approach to project for new hardware. Wrote firmware code in C++ using various libraries. Accessed & organized sensor data in Pandas, analyzed trends and provided with stories.