KUMAR J. GANDHI

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EDUCATION

University of Illinois at Urbana–Champaign · Champaign, IL
BSc: Statistics; Data Science Certificate · Aug 2016 | Dec 2019

SKILLS & RELEVANT COURSEWORK

Skills
Python (Pandas & Scikit) | R (Caret) | SQL | Statistical Analysis
Data Analytics | Leadership | Written & Oral Communication
Coursework
Advanced Data Analysis | Statistical Analysis | Methods of Statistical Learning
Data Science Programming Methods | Statistical Data Management

WORK EXPERIENCE

Village of Arlington Heights · Arlington Heights, IL
Finance Intern · June 2019 | Aug 2019

- Utilized Excel, Access, and SQL to administer the Village Hall's vehicle registration database
- Optimized the vehicle registration database to find several thousand non-compliances and generated around $500,000 in extra revenue for the Village, in addition to meeting strict deadlines
- Presented strategies and recommendations to the Director of Finance, IT team, and a Village Trustee to improve workflow efficiency by developing custom pivot tables/macros in Excel and queries using Access + SQL, which decreased the overall project completion time by several weeks

4HERE Corp. · Schaumburg, IL
Statistical Modeling & Algorithm Development Intern · Jan 2019 | May 2019

- Primary responsibilities include statistical modeling, data collection & analysis, and filter design for dynamic indoor tracking using Python & predictive analytics to reduce the effects of noisy data during the collection and prediction processes
- Studied research papers on sensor fusion to implement new ideas into the project

Village of Arlington Heights · Arlington Heights, IL
Building & Life Safety Intern · June 2017 | Aug 2017

- Executed several tasks and projects such as digitalizing files for the Building and Life Safety department in cooperation with zoning, finance, and engineering departments
- Expedited day-to-day operations of a village hall responsible for about 75,000 people; took calls and communicated with constituents daily, in a fast-paced, intense environment
- Systemized IBM Cognos, Excel, and Microsoft Word to administer building inspections data and transformed out-of-date file organization techniques to facilitate a more efficient workflow between departments

ACTIVITIES

bridgeIllinois · Champaign, IL
Founder/President · Aug 2017 | July 2019

- Founded a chapter of bridgeUSA (non-partisan political org) at UIUC with over 40 members, with the primary goal being to increase political awareness on campus, in addition to participating in national bridgeUSA conferences
- Successfully organized several meetings and debates while ensuring that both sides of the political spectrum were actively participating in political discourse

Mehta Research Group · Champaign, IL
Research Assistant · Aug 2018 | Jan 2019

- Implemented Kalman Filter via TensorFlow in Python to track location and activity of smartwatches
- Developed a method of problem solving in finance with given time-series applications along with implementing it with machine learning techniques to make more precise predictions by reducing the influence of noise