AHAN SAHU

ahansahu2022@u.northwestern.edu | +1 224 714 8560

EDUCATION

Northwestern University   **June 2022**

Bachelor of Science in *Industrial Engineering*, Minor in *Data Science*   **3.6/4.0**
Masters in *Computer Science*   **4.0/4.0**
Relevant Coursework: Introduction to AI, Statistical Learning for Data Analysis, Optimization Methods in Data Science, Machine Learning

EXPERIENCE

Data Management Summer Intern **| InCred** – Mumbai, India   July – August 2019
- Extracted data from websites such as USnews.com by through a web scraping program in *Python* to analyse 100s of applicants
- Added functionality to transfer data between different database software and record errors to enhance databases
- Generated dozens of MISs, cleaned and organized data, automated email campaigns to clients using *JavaScript* and *HTML*

Data Management/Analysis Summer Intern **| Shortlist Pvt. Ltd.** – Mumbai, India   June 2017
- Standardized company's data sets on Excel through removing or correcting almost a million data points
- Enhanced company's sign-up system leading to a 35% increase in number of applicants who completed sign-up
- Received mentorship from senior data analyst regarding R and SQL
- Recommended advertising strategies based on statistical analysis of applicant demographics

Coding Summer Intern **| InstaKash** – Mumbai, India   June 2016
- Designed 4 prototype chatbots to advertise credit card schemes for banks on ChatFuel (online tool)
- Recommended 4 improved versions of chatbot concepts, presented through flowcharts

COURSE PROJECTS

Design Thinking & Communication I - *Client: Esperanza Community services*   Winter 2019
- Engineered a device to allow a user with developmental disorders and cerebral palsy (limited use of one arm) to communicate using audiovisual signals, while being safe and cost effective
- Collaborated with 3 teammates to conduct client interviews, user testing sessions, performance testing and more
- Prepared RAM and Gantt charts, recorded meeting minutes and made meeting agendas for efficient teamwork

Design Thinking & Communication II - *Client: Ford Engineering and Design center*   Spring 2019
- Integrated a photo studio into Ford Engineering and Design center to enable 100s of engineering students to take high quality pictures of projects
- Conducted extensive research into lighting, pricing and durability of multiple types of backgrounds, lights and cameras

Twitter Sentiment Analysis using Naïve Bayesian Classifier   Summer 2020
- Created a Naïve Bayesian Classifier, integrating techniques like add-one smoothing to classify tweets as hate speech
- Cleaned 50000 tweets as part of the testing and training data set through stemming, stop word removal and more

EXTRA-CURRICULAR ACTIVITIES AND LEADERSHIP EXPERIENCE

Teaching assistant – *COMP_SCI 214: Data Structures TA*   Spring 2020
- Guided students to a better understanding of various data structures and algorithms through weekly office hours`
Engineers for a Sustainable World – *Active member of Pura Playa subdivision*   Fall 2019 – Winter 2020
- Engaged in recycling plastics and spreading awareness around Northwestern
Northwestern University World Cup – *Active member of Games and Logistics committee*   Fall 2018 – Winter 2020
- Planned a 40-team soccer tournament during Spring 2019 and smaller tournaments and events during Fall and Winter

ADDITIONAL INFORMATION

Computer Skills: Python, MATLAB, C++, R (intermediate), JavaScript(basic), MS Office (Advanced Excel), Google Sheets, SQL
Awards: *University of Technology, Sydney IT competition* – **First Place**, *IGCSE Mathematics examination* – **World Topper**
Languages: Fluent in English and Hindi
Interests: Soccer, Scuba-Diving (advanced license)