SwopnilShrestha

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Education

Luther College
Expected May 2021
B.A. Computer Science/Statistics
- GPA: 3.67 - Dean's List
- Selected Courses: Data Visualization and Analysis, Data Structures and Algorithms

Relevant Experience

Data Engineering Intern   **May - Aug 2018**
CloudFactory, Kathmandu, Nepal
- Analyzed and visualized throughout, accuracy and other measures for over 2000 from Nepal and Kenya in different timezones through their keystrokes and other limited data
  - Wrote an algorithm that was able to distinguish when autocorrect was used during by looking at sequences of keys entered
- Presented insights from the data to an agile teams of 100+ engineers, cumulative
- Constructed a back propagation algorithm to predict incoming traffic of data from the client side
Skills: SQL, Python - Keras ML, R, Excel

Business Apprentice   **May - Aug 2017**
Portal Bikes, Kathmandu, Nepal
- Conducted market research by surveying the demographics of cyclists in Nepal and the transportation trends in Kathmandu City.
- Constructed a database of cycling related events using the Facebook Graph API and other platforms like Strava
- Managed social media and content production for a social media campaign to empower women cyclists in Nepal
Skills: Python, Excel, Facebook Platform Tools, Adobe Creative Suite

Digital Media Technician   **October 2017 - Present**
Luther College, Decorah, IA
- Generated, cleaned and analyzed data to seek insights about the usage of the college's Information Technology Services by students and faculty
- Assisted staff and faculty by giving technical demonstrations on videography, photography and audio recordings
- Assisted visitors with the Adobe Creative Cloud software and other digital media software/hardware
Skills: Python (Pandas), Excel, Adobe Creative Suite

Projects

Bikeshare Data Analysis   **October - November 2019**
Luther College, Decorah, IA
- Analyzed and Visualized 5 years of bikshare trends in the United States with data from CitiBikes and Subway
- Developed the project into a website using ReStruectured Text running on Sphinx and documented the entire process
Skills: IPython, Sphinx, ReStructured Text

Software Engineering Practices Website   **Jan 2019 - Present**
Luther College, Decorah, IA
- Developed a website about common practices in software engineering to help people learn data structures and principles of software development
- Deployed the website using Hugo and Github Pages
Skills: Python, Hugo, Git, Javascript

Leadership

AllHands Raised $5000 and organized logistics for the construction of prefabricated shelters after the 2015 earthquake in Nepal
Luther College Provided peer counseling to 46 male students and developed educational programs about mental health, personal development, conflict resolution and sustainability as Resident Assistant
UNICEF Led a group of around 1500 cyclists in a rally organized by the UN in order to support the security of refugees and bring light to their cause
ACM Managed communications, social media, developed educational programs and newsletters for the 120 member ACM student chapter (CSS) at Luther College

Skills

Programming Proficiency Java, Python (Pandas, Keras), Bash, GIt, Unix/Linux, SQL, JavaScript
Analytics IPython, R, Tableau, Excel, Visual Basic for Applications (Macros)
Media/Web FCPX, Photoshop, InDesign, Premiere, Illustrator, HTML, CSS

Activities & Interests

Activities Dean's List, ACM Luther College, Google I/O Kathmandu Semi finalist, ICPC Hackathon 2018, Major League Hackathon 2017, President's Scholarship, Mental Health Advocate Certification
Interests Design, Mountain Biking, Space Exploration, Investing, Entrepreneurship, Photography