

SOVIK KUMAR NATH

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PROFESSIONAL SNAPSHOT

SNAPSHOT: Solutions focused, meticulous and results-oriented double **M.S. (Industrial Engineering from U.S., Global Change & Sustainability from Switzerland)** and **IIT Kharagpur graduate** professional offering two and half years of successful career.

Analytical and proactive decision maker, targeting challenging assignments, bringing the following transferable strengths:

Planning & Analysis
Data & Predictive Analytics
Statistics & Data Mining

Quantitative Analysis & Programming
Value Stream Analysis
Lean Six Sigma

Research & Systems Analysis
Business Analysis
Relationship Management

- Extended expertise in understanding the process, operations sequences, process parameters required to achieve quality characteristics
- Strong analytical and problem-solving skills, effective written and verbal communication skills, interpersonal skills, organizational and multi-tasking skills

PROFESSIONAL EXPERIENCE

Hanlon Financial Systems Lab, Stevens Institute of Technology, New Jersey

(May '15 – Aug '15)

Designation: Summer Research Student

Key Deliverables:

- Holds the credit of success in developing a project to study commodities (oil and gas) and financial (energy equities) markets using financial and economic data
- Supervised undergrad students to learn programming, analytics for the project
- Wrote programs in R to analyze WTI futures data (Bloomberg) and oil economics data (EIA)
- Performed multivariate regression to analyze impact of shale exploration in oil and oil price variation

Noteworthy Credits:

- Research resulted in report and seminar presentation at analytics conference in USA

Intellectap, Hyderabad, India

(Oct '12 – May '13)

Designation: Associate, Business Consulting

Key Deliverables:

- Assessing the impacts of funding on three programs (healthcare, water) funded by Michael and Susan Dell Foundation using performance metrics and focused group discussions in Southern India

Noteworthy Credits:

- Assessment resulted in next round funding to continue the program

Tapas India Foundation, Ahmedabad, India

(Apr '12 – Oct '12)

Designation: Summer Associate

Key Deliverables:

- Investigated the economic impact of intervention of solar energy for salt production, India
- Performed due diligence and business modelling for bio-energy production in Gujarat, India

Noteworthy Credits:

- Successfully gained firsthand experience in developing start-up and business analysis projects

CREDENTIALS

Academic:

- **M.S. (Industrial Engineering)** from University of South Florida, Tampa, USA with **CGPA: 3.52/4.00** in 2016
 - **Courses:** Linear Programming, Statistical Design Methods, Advanced Analytics, Private Equity, Logistics Analytics, Bayesian Data Analysis, Advanced System Analysis and Design, Stochastic Decision Models, Lean Six Sigma, Project Management
- **M.S. (Global Change & Sustainability)** from University of Fribourg, Switzerland in 2011
- **B.Arch (Architecture)** from Indian Institute of Technology, Kharagpur, India in 2008

School:

- XII from South Point High School in 2003 with 91.7%

Academic Projects:

M.S. in Industrial Engineering

- Applied R programs for analysis for portfolio optimization, capital asset pricing model
- Developed credit scoring program in R for analyzing and predicting models credit datasets using R programs and advanced analytics (Logistic regression, SVM, Random Forest)

M.S. in Global Change & Sustainability

M.S. Thesis: Analysis of glacier mass balance measurements using distributed modelling (2010-2011)

Swiss alpine glaciers are important resource for water, hydro-energy and tourism. The thesis investigates the long term evolution and assesses the impact of ongoing climate change on selected alpine glaciers applying mathematical modelling, field data and quantitative analysis. The thesis is part of integrative cryosphere monitoring program of University of Fribourg, Switzerland

- Participated in SMOS (Soil Moisture and Ocean Salinity satellite of European Space Agency) field validation exercise in Skjern catchments, Denmark (2010), analysed and interpreted quantitative data for soil moisture
- Project report on selection of appropriate site parameters and numerical modeling of measurement data for nuclear waste disposal at Grimsel Test Site (GTS), Switzerland; attended seminar and model course by NAGRA (Swiss National Cooperative for the Disposal of Radioactive Waste) at GTS

Technical:

- R, Rstudio
- Microsoft Office, Excel, UML
- Python, SAP
- VirtualBox, Linux
- Hadoop
- Databases, Bloomberg, Compustat

Certifications:

- Business Analytics, Wharton Business School, University of Pennsylvania (Coursera) - In progress
- Big Data - University of California, San Diego (Coursera) - In progress
- Bloomberg Terminal Certification (Essentials, Equity, Commodity, Fixed Income, FX) in 2015

AWARDS

- University Presidential Fellowship at University of South Florida, USA 2013 – till date
- Swiss Government Scholarship, Switzerland 2009-2011
- Jagadis Bose National Science Talent Search (JBNSTS), India 2003-2008

PERSONAL MINUTIAE

Languages Known: English, Hindi, Bengali and French

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