Kapil Khanal

I'm a self-motivated, self-starter student with keen interest on data wrangling, modeling, visualization, mathematical modeling, linear programming and analytics. I believe good data scientist/analyst should be able to learn methods and tools quickly to make the impact and informed decision. I write my thoughts at http://kapil.rbind.io/

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🌐 kapil.rbind.io/   in linkedin.com/in/kapil-khanal

🐦 twitter.com/almost_kapil   github.com/KapilKhanal

EXPERIENCES

Data Research Intern
Carnegie Mellon University

06/2019 – 08/2019   *Pittsburgh , Pennsylvania*
Statistics Department. Data Science Consulting

Achievements/Tasks

- Research intern in statistical methods and data science algorithms applied to different domains.
- Collect Data, form research questions and communicate results

Contact: Rebecca Nugent – rnugent@stat.cmu.edu

Data Science and Introductory Statistics course tutor
Winona State Tutoring Center

11/2017 – Present   *Winona,MN*
Winona State University

Achievements/Tasks

- Help with courses, preparation and organize review sessions.
- Meet one-on-one with student in need of additional guidance and support.
- Maintain a collaborative and encouraging learning environment

Contact: Jill Quandt – jquandt@winona.edu

PROJECTS

Distribute the xG :Giving passes due credit (01/2018 – Present) ☑

- Applying Statistical models and Network algorithms to sports data
- Worked in a team to model and visualize the soccer game metrics
- Contact: Prof. Kostas Pelechrinis (kostas.pelechrinis@gmail.com)

Minnesota lake project (08/2019 – 01/2020) ☑

- Run data pipeline to transform data from multiple sources, join it and run through ml pipeline
- Design a web architecture to deploy Model (using RestAPI)
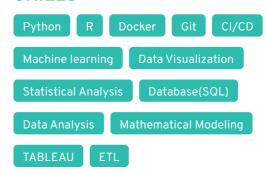- Deploy a web app for citizen scientist to generate report and make predictions

Undergraduate Research (09/2017 – Present) ☑

- Astrophysical data munging for Fine Structure and Radio metallicity diagnostics.
- Bayesian Analysis of Telescope data and images.
- Contact: Prof.Carl ferkinhoff(cferkinhoff@winona.edu)

Community Contribution (Winona Area Public Schools) (11/2017 – 12/2017) ☑

- Data Extraction from scanned pdf's and a detail visualization of budget and expenditure data to help them prioritize the budget spending for schools
- Contact: Allison Quam (aquam@winona.edu)

SKILLS

`Python` `R` `Docker` `Git` `CI/CD`

`Machine learning` `Data Visualization`

`Statistical Analysis` `Database(SQL)`

`Data Analysis` `Mathematical Modeling`

`TABLEAU` `ETL`

ACHIEVEMENTS

Best Overall Analysis, Police Data Challenge (12/2017) ☑
A Nationwide (USA and CANADA) competition organized by American Statistical Association. My Wonderful team was selected from 70+ Teams.

2nd Place for Predictive Accuracy,Midwest Data Analytics Competition (03/2017)
Predictive modeling competitions for undergraduates of Universities in Midwest,USA

MinneAnalytics Scholarship, MinneAnalytics and WSU (07/2017) ☑
MinneAnalytics is Twin Cities Big Data, Data Science and Analytics Community. "MinneAnalytics Scholarships are awarded to students who display a passion for pursuing a career in analytics and a commitment."

Finalists,Warrior Innovation Challenge (02/2017) ☑
A Entrepreneurial Bootcamp organized by Winona State University.

EDUCATION

B.S. Data Science and Mathematics(Computer Science Minor) (09/2016 – 09/2020) ☑

PROGRAMMING LANGUAGES

Python and R data science ecosystem
● ● ● ● ○

SQL/Spark
● ● ● ○

Tableau/JMP Stack
● ● ● ○

Java/Scala
● ● ● ○ ○