

Kapil Khanal

Prospective Data Scientist

I'm a self-motivated student with keen interest on data wrangling, modeling, visualization, mathematical modeling, linear programming and analytics. I believe good data scientist should be able to learn methods and tools quickly to get the job done. Documented code and comments are the best thing in the world. I write my thoughts at <http://kapil.rbind.io/>

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EXPERIENCES

Analyst Research Intern Carnegie Mellon University

06/2019 – 08/2019

Pittsburgh, Pennsylvania

Statistics Department. Data Science Consulting

Achievements/Tasks

- Research intern in statistics and application to sports
- Generalized Linear Models and Tree Based Modeling of data

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

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

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)

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

AWS

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

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SQL/Spark

● ● ● ● ○

Tableau/JMP Stack

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Java/Scala

● ● ● ○ ○