

Sanjeev Lingam-Nattamai

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Education

Purdue University

May 2022

- Bachelor of Science in Computer Science – Data Science Major
- GPA: 3.88/4.0

West Lafayette, IN

Technical Skills

- Python, R, SQL, Java, Data Analysis, Machine Learning

Relevant Experience

Schwab Reese Lab

Jan. 2020 – Present

Research Assistant

- Collaborate with Dr. Laura Schwab Reese in conducting research on the gender pay gap
- Create predictive models with salary data of male and female Ohio State University professors
- Analyze the differences in salaries among assistant, associate, and full professors at Ohio State

UPS

June 2019 – Aug. 2019

Software Engineering Intern

Louisville, KY

- Launched a cross-platform mobile application that leverages Xamarin and significantly reduces the time it takes for employees to identify if trailers are in their correct position at facilities
- Eliminated potential delays of the expected delivery date of packages
- Chosen as the top intern project and presented to CIO Juan Perez

Purdue University Data Mine

Aug. 2018 – Present

Member

West Lafayette, IN

- Generate histograms of NYC taxi, National Parks, and baseball data using R and SQL
- Produce cost analysis algorithms with company data from the Krannert School of Management
- Network with Purdue faculty and learn about their machine learning focused research

Dark Matter Lab

Aug. 2018 – Dec. 2018

Research Assistant

West Lafayette, IN

- Collaborated with Dr. Rafael Lang in conducting research on dark matter
- Compiled a mass amount of dark matter waveform image data
- Retrieved a range of frequencies where dark matter could exist by parsing through data using Python

Projects

BeatQ

Oct. 2019

- Won 2nd place at the 2019 DemonHacks hackathon at DePaul University
- Using the Spotify API, built a web application leveraging Flask that lets users to collaborate and add songs to a music queue so that everyone can listen to their favorite song at a party

Purdue Gender Pay Gap Study

July 2019

- Investigated the gender pay gap of all staff employees at Purdue University using 2018 data
- Found that the difference between male and female salaries was statistically significant using hypothesis testing and confidence intervals by leveraging R
- Published a Medium article on findings with analysis on the root causes of the gender pay gap at Purdue

Eliminating the Shipping Label

June 2019

- Won the 2019 UPS Hackathon by creating a mobile application that scans and tracks QR codes
- Replaced the stickered shipping label by printing an embedded QR code directly on the package
- Implemented an economically beneficial shipping model that associates a unique QR code with each box