Education



University of Illinois at Urbana Champaign Champaign, USA

Bachelor of Science in Computer Science and Statistics 2021

* GPA - 3.93/4.0
* Deans Honor List (Spring’20, Fall’20, Spring’21)
* Core Modules: Statistical Data Management, Applied Machine Learning, Statistics and Probability 1&2, Applied Linear Algebra, Probability of Statistics in Computer Science

TEACHING ASSISTANTSHIPS

* Probability and Statistics using Computer Science (CS 361) UIUC, CA 2020 – 2021

Supported 350+ students, innovated practice problems, and contributed to the development of exam questions during office hours, enhancing the overall learning experience

* Freshman Honors (CS 196) UIUC, Project Manager 2020 – 2021

Orchestrated project workflows, defined tasks, and oversaw a team of 10 students, providing guidance and support to foster their skills in project management

ACADEMIC CERTIFICATIONS

* Excel Basics for Data Analysis (IBM via Coursera) 2022

Developed foundational skills in Microsoft Excel, enabling data analysis and informed decision-making capabilities

* Fundamentals of Quantitative Modeling (Wharton University of Pennsylvania via Coursera) 2022

Acquired a comprehensive understanding of quantitative techniques essential for data analysis and business decision-making

* Investment and Portfolio Management (Rice University via Coursera) 2020

Gained proficiency in managing investment portfolios and making strategic financial decisions based on in-depth knowledge

Professional Experience



SHIPBOB, INC. Chicago, USA

Tech-enabled third-party Logistics (3PL) provider globally

Software Engineer II 2022 – present

* Creating a model that analyzes a merchant's past order data to help distribute their inventory across fulfillment centers across the USA thereby creating a 35% increase in 2-day delivery of orders
* Collaborating regularly with the Engineering Head to plan roadmaps for the model and assist in stakeholder engagement, bridging the gap between the data science and developer teams
* Combined traditional data mining and machine learning techniques with unstructured data analysis to analyze data across the board, including supply-chain operations, logistics, sales, marketing, and customer support to detect and predict order demands of inventory across states

Software Engineer I 2021 – 2022

* Developed and monitored the migration of various ingestion flows, working primarily with C and MySql to reduce dependencies on other teams, thereby reducing delays in code releases and approvals
* Upgraded the UI experience for merchants on ShipBob’s dashboard increasing their engagement by 30% and reducing tickets (i.e. questions about the dashboard) by 56%
* Created and questioned new databases using MySQL to enhance data storage efficiency, while migrating old databases resulting in a 15% reduction in storage space utilization

Research Experience and Projects

Basketball Data Management 2021

* Analyzed, summarized and combined various basketball data sets obtained from Kaggle having 5K+ observations for the NBA and college athletes each
* Predicted which college programs provide the best opportunity for students to reach in NBA per position and analyzed which conference they tend to play in and how long of a career they have using R and Python

Stock Market Investment Project 2020

* Actively managed a five-figure (INR) portfolio of 10+ stocks in the National Stock Exchange of India by analyzing the investments based on their price-to-earnings ratio
* Collected and visualized data using the Yahoo Application Programming Interface. Predicted stock price trends using Decision Tree Algorithm machine learning and visualized the trend in Python and R to achieve a 15 percent return after two months of the project