

Mehakpreet Kaur

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Education

New Jersey Institute of Technology, Newark, NJ, USA
Bachelor of Science in Computing and Business
Minor in Data Analytics

Sept 2019 – May 2023 (expected)
GPA: 3.85/4.0

Skills and Relevant Coursework

Relevant Coursework: Programming Language Concepts, Data Structures & Algorithms, Object-oriented Programming, Calculus II, Probability & Statistics, Operating Systems, Database Design and System Management, Intensive Programming in Linux, Computer Networks

Programming Skills: Python (3.5 yrs), Java (2yrs), C++(1yr), SQL (1 yr), React Native, Swift, HTML, CSS, JavaScript

Technologies & Frameworks: AWS, Django, Rasa, Linux, Git, Jira, Jenkins, Salesforce

Work Experience

New Jersey Institute of Technology, Newark, NJ, USA – *Teaching Assistant for Intro to Java and Python* Jan 2021 – Present

- Leading weekly office hours for 35+ students and grading supplemental material (homework, labs, quizzes)
- Supported students that needed more help troubleshooting problems and tutored them individually

Noodle, New York City, NY, USA – *Software Engineer Intern* Jun 2021 – Aug 2021

- Developed a **Django**-based dashboard to keep record of the company's AWS spend and reduced costs by 4%
- Upgraded pipelines by refactoring code for consistency in the codebase
- Used **TablePlus** and **SQL** to extract **AWS** data and **Docker** to maintain same development environment

Bricks 4 Kidz, Newark, NJ, USA – *Marketing Support Specialist Intern* Feb 2021 – May 2021

- Used **Python** (libraries like pandas, smtplib, and regex) to filter out nearly 2,000 invalid emails and help identify students with wrong contact information
- Made cost savings of about \$200 by avoiding online email filtering services

Johnson & Johnson, New Brunswick, NJ, USA – *Technology Awareness Program Participant* Sept 2020 – Nov 2020

- Proposed solutions for issues faced in sales after the Affordable Care Act by over 200 J&J clients
- Designed a prototype application using marvelapp.com to incorporate proposed solutions

CERN (European Council for Nuclear Research), Geneva, Switzerland – *Student Intern* Jun 2017

- Selected as one of the seven students to participate internationally in a particle physics internship
- Experimented in the same labs that invented the World Wide Web
- Learned about the history and fundamentals of particle physics and the discovery of Higgs Boson

Leadership Experience

New Jersey Institute of Technology, Newark, NJ, USA – *Orientation Leader and Peer Mentor* Jan 2021 – Present

- Organized the new student orientation scavenger hunt and found creative ways to win
- Encouraged energy and enthusiasm in students and helped them with their high-school-to-college transition

New Jersey Institute of Technology, Newark, NJ, USA – *Ambassador for Data Science Club* Sept 2021 - Present

- Acting as a liaison between graduate and undergraduate students
- Attracting interested students to explore DS concepts and expanding the club's outreach

New Jersey Institute of Technology, Newark, NJ, USA – *Outreach Assistant for Women in Computing* Jan 2021 – May 2021

- Organized presentations for high school students and encouraged them to take on STEM majors
- Spoke about my personal experiences and helped increase the percentage of women at NJIT to nearly 25%

Projects

Foody Calls, Livingston, NJ, USA – *Co-Founder, Project Manager and Software Engineer* Feb 2021 – Present

- Leading a team of three students and assisted by NJIT's IT department to build an e-commerce app and website ([link](#))
- Benefits student customers and food outlets providing hourly discounts based on volume of demand
- Currently developing **iOS** and **Android** apps using **React Native** to complement the website
- Used marvelapp.com to make the prototype of the application

Technology Healthcare Bigdata, Gurgaon, Delhi, India – *Data Analytics Intern* Jul 2020 – Sept 2020

- Designed and constructed a **Natural Language Processing** (NLP) model as a chatbot using Rasa framework ([link](#))
- Incorporated a **Machine Learning** model into the chatbot to increase accuracy of predictions from 72% to 93%

Simulation of NJIT Campus, Newark, NJ, USA – *Team Lead, Project Manager and Game Developer* Apr 2020

- Developed a simulation game using GameMaker Studio 2.0 within five days to provide a platform for virtual NJIT campus tours ([link](#))
- Won the "Love in the Time of COVID" competition consisting of 300 participants