

# JASMEET KAUR DHANOTA

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## EDUCATION

<b>Pace University, Seidenberg School of Computer Science and Information Systems</b> Master of Science (MS) in Information Systems   <b>Concentration:</b> Software Development   <b>GPA :</b> 3.88	New York, NY December 2025
<b>VES Institute of Technology, Mumbai, India</b>   Bachelor of Engineering (BE) in Instrumentation	June 2021

## RELEVANT COURSEWORK

Python | Database Management Systems (DBMS) | Applied Artificial Intelligence | Big Data & Information Systems | Mobile Web Content & Development | Mobile Application Development

## TECHNICAL SKILLS & CERTIFICATIONS

**Programming & Scripting Languages:** Java, Python, C, C++, HTML, CSS, Kotlin, Javascript, React, Bootstrap, JSON, Artificial Intelligence, XML, Wordpress, MATLAB | **Tools & Framework:** Django, Github, Android Studio, Figma

**Cloud Technology & Database:** MySQL, Hadoop, AWS (EC2)

**Certifications:** Full Stack Web Development with React, React Native, Bootstrap – Udemy | Python Masterclass – Udemy

## ACADEMIC / INDEPENDENT PROJECTS & VIRTUAL WORK SIMULATIONS

**Image Classifier Full Stack Web App using Python, React, Django, & APIs** March 2024

- Designed app enabling users to identify & classify images, creating interactive user interface with React while integrating Python & Django for API development allowing for efficient ID, timestamp, & classification detail storage based on uploaded images.
- Incorporated pre-trained InceptionResNetV2 AI model from Keras into image model, customizing save method for real-time image classification upon upload by resizing, preprocessing, & feeding images into model, achieving 95% detective accuracy.

**JPMorgan Chase & Co., Software Engineering Lite Micro Internship, The Forage** June 2024

- Implemented RewardsConverter class in Java to convert cash values to airline miles, integrating conversion logic to enable methods for cash-to-miles & miles-to-cash conversions, enhancing credit card rewards system's functionality.
- Developed comprehensive test suite for RewardValue class using JUnit to validate conversion methods, utilizing GIT for version control to ensure accurate conversions.

**Hand Gesture-Based Sign Recognition System using Convolutional Neural Network (CNN)** March 2021

- Trained neural network on hand gesture datasets, incorporating CNN with MobileNet for feature extraction, applying image processing via sharpening to improve quality, improving gesture recognition & deploying SSD achieving 95% accuracy .

## EXPERIENTIAL LEARNING

**Computer System Design & Development Experiential Learning Lab (ELL) | CaterPal Technologies** March 2025

- Collaborated in team of Software Developers & Data Engineers to develop NLP-infused chatbot to enhance catering startup's restaurant services, presenting chatbot design, system architecture, & prototype development plan to startup leaders.
- Built interactive UI using React.js, Flask, & OpenAI API for seamless functionality, enabling personalized recommendations & seamless database connectivity for real-time user interaction.

## PROFESSIONAL EXPERIENCE

**Pace University Career Sevices, New York, NY** | Student Assistant June 2024 - Present

- Develop & maintain Virtual Career Center using no code/low code Wordpress to enhance online career resources & improve user experience for 10k+ students, managing stakeholder interaction while upholding customer service standards.

**Jio Platforms Limited, Mumbai, India** | Assistant Manager - Android Developer September 2022 – January 2024

- Developed 2 government document signing projects using Android Studio, enabling secure document signing & ID access via OTP, face detection, & fingerprint verification, designing UI using XML & MVVM architecture.
- Integrated APIs to optimize user experience, resolving bugs based on test cases submitted by QA team to ensure application reliability & performance.

**Global Soft Infosystems (Reliance Jio Infocomm Ltd), Mumbai, India** | Python Developer Intern May 2020 – August 2020

- Analyzed GIS points using Pandas, cleaning & transforming data to understand resource allocation across geographic locations, employing NumPy for efficient calculations & visualizing data with Matplotlib to enhance decision-making for planning team.

**Reliance Jio Infocomm Ltd, Mumbai, India** | Android Developer Intern December 2019 – January 2020

- Designed Android application UI in Android Studio using XML, implementing layouts such as Constraint, Relative, Grid, & Linear for optimal adaptability across devices, developing functionality with Java.