

JASMEET KAUR DHANOTA

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EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems

Master of Science (MS) in Information Systems | **Concentration:** Software Development | **GPA :** 3.88

New York, NY

December 2025

Vivekanand Education Society's Institute of Technology

Mumbai, India

Bachelor of Engineering (BE) in Instrumentation | **GPA:** 3.1

June 2021

RELEVANT COURSEWORK

Python | Database Management Systems (DBMS) | Applied Artificial Intelligence | Big Data & Information System | 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

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

PROFESSIONAL EXPERIENCE

Pace University, Career Seives, NY | Student Assistant

June 2024 - Present

- Develop & update Virtual Career Centre using no code/low code **Wordpress** to enhance online career resources & improve **user experience**, managing stakeholder interaction while upholding customer service standards.

Jio Platforms Limited, Mumbai, India | Assistant Manager - Android Developer

September 2022 – January 2024

- Developed two government document signing projects using **Android Studio**, enabling secure document signing & ID access via OTP, face detection, & fingerprint verification.
- Designed app UI using **XML**, **MVVM** architecture, implementing various views & layouts while integrating **APIs** with AsyncTask & Retrofit library.
- Resolved 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 dataset of GIS points using **Pandas**, cleaning and transforming the data to reveal trends & employing **NumPy** for efficient calculations, visualizing data with **Matplotlib** to deliver insights to enhance decision-making for Jio's 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**.

ACADEMIC / INDEPENDENT PROJECTS & VIRTUAL WORK SIMULATIONS

Image Classifier Website

- Designed **full stack** application with 92% accuracy; enabling users to identify & classify images, creating interactive user interface with **React** & integrating **Python** with **Django** for API development, allowing storage of ID, timestamp, & classification details of uploaded image.
- Incorporated the 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

JPMorgan Chase & Co. Software Engineering Lite Micro Internship

- 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 cash-to-miles and miles-to-cash conversions.

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

- Trained **neural network** on hand gesture datasets, deploying SSD that achieved 95% accuracy.
- Incorporated **CNN** with MobileNet for feature extraction applying image processing via sharpening & enhancement to improve quality, resulting in 20% improvement in hand gesture recognition accuracy.

Sensor Fusion and Imu

- Created real-time sensor data acquisition systems using **C** Programming on Arduino IDE & executed 3D model rotation in **Python**, optimizing immersion in gaming & enhancing accuracy in medical imaging simulations.
- Implemented Mahony filter with MPU 9250 sensor to ensure precise 3D object orientation prediction.