JASMEET KAUR DHANOTA

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EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems New York, NY
Master of Science (MS) in Information Systems | **Concentration:** Software Development | **GPA :** 4.0 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) | Information Systems Principles

TECHNICAL SKILLS & CERTIFICATIONS

Programming & Scripting Languages: Java, Python, C, C++, SQL, HTML, CSS, Kotlin, Javascript, AWS | **Mobile Development:** Android Studio
Certifications: Full Stack Web Development with React, React Native, Bootstrap – Udemy | Python Masterclass – Udemy

ACADEMIC / INDEPENDENT PROJECTS & VIRTUAL WORK SIMULATIONS

Image Classifier Website May 2024
- Designed website 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 model from Keras into image model, customizing save method for real-time image classification upon upload by resizing, preprocessing, & feeding images into model, achieving 92% accuracy.

JPMorgan Chase & Co. Software Engineering Lite Micro Internship March 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 cash-to-miles and miles-to-cash conversions.

Hand Gesture-Based Sign Recognition System using Convolutional Neural Network (CNN) January 2021 – March 2021
- 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.
- Trained neural network on hand gesture datasets, deploying SSD that achieved 95% accuracy.

Sensor Fusion and Imu September 2020 – April 2021
- 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.

PROFESSIONAL EXPERIENCE

Career Services, Pace University, 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, 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.