JASMEET KAUR DHANOTA

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PROFESSIONAL EXPERIENCE

Pace University Career Sevices, New York, NY | Website Developer Associate — June 2024 - Present
- Developed & maintained a Virtual Career Center Platform using Wordpress, enhancing the user experience for 13k+ students through improved UI design, streamlined content workflows & regular link validation checks to ensure reliability & accessibility.
- Conducted job market data analysis in Excel & Power BI, developing Interactive dashboards to highlight skill alignment trends & providing actionable insights for academic reporting & strategic financial planning.

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 QA test cases to ensure application reliability.

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.

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.

ACADEMIC / INDEPENDENT PROJECTS & VIRTUAL WORK SIMULATIONS

Emotion Detection using LSTM RNN Model in TensorFlow/Keras — May 2025
- Architected LSTM model in TensorFlow/Keras to detect emotions from text, extrapolating sentiments from CSV file of 40k+ data points, developing text preprocessing pipeline using Python & Pandas for model training.
- Evaluated model performance after achieving 30% accuracy rate, identifying need for additional layers to neural network to enhance output, documenting model workflow & recommendations for improved accuracy.

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 test suite 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.

EDUCATION

Pace University, New York, NY | Master of Science in Information Systems | Software Development | **GPA:** 3.79 — December 2025
VES Institute of Technology, Mumbai, India | 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 | Statistics

TECHNICAL SKILLS & CERTIFICATIONS

Programming & Scripting Languages: Java, Python, C, C++, HTML, CSS, Kotlin, Javascript, React, Bootstrap, JSON, XML, Wordpress, MATLAB | **Tools & Framework:** Django, Github, Android Studio, Figma | **Big Data & Cloud Technology**: MySQL, Hadoop, AWS (EC2)
Certifications: Full Stack Web Development with React, React Native, Bootstrap | Python Masterclass