

Pankaj Chohan

San Diego, CA | 8783481130 | pchohan1927@sdsu.edu | [linkedin.com](#)

EDUCATION

San Diego State University

Masters of Science in Computer Science

San Diego, CA

Graduation Date: May 2023

University of Mumbai

Bachelors of Engineering in Computer Engineer

Mumbai, MH

Graduation Date: May 2019

WORK EXPERIENCE

NBCUniversal

Software Engineer

Los Angeles, CA

Sep 2022 - Dec 2022

- Created an automated data pipeline to process 5TB of movie data, reducing manual processing time by 50% and enabling more efficient analysis and insights.
- Engineered and implemented a GraphQL API that enables users to easily retrieve and filter through critical movie award data based on criteria such as the number of awards won and the year they were awarded, resulting in an increased user satisfaction rate of 30%.
- Demonstrated strong collaborative skills by consistently uploading feature code to GitHub, fostering effective version control and code sharing.

ASML

Full Stack Developer

San Diego, CA

May 2022 - Aug 2022

- Developed and optimized high-quality components, forms, and routers with ReactJS while collaborating with UX/UI design teams to increase conversion rates by 20%, ensuring cross-platform compatibility and accessibility.
- Utilized Webpack to integrate the back-end and develop a user-friendly administrator dashboard with responsive design and dark/light themes, resulting in seamless functionality for end-users.
- Streamlined back-end functionality by enriching CRUD operations and RESTful APIs using SAS and Flask, improving data processing speed by 35% for faster delivery of high-quality data to the front-end.
- Collaborated with cross-functional teams to develop and maintain microservice architecture on Github, resulting in a significant increase in scalability and reducing server costs by 30%.

Kan Innovation

Software Engineer

Mumbai, MH

Jun 2020 - Jul 2021

- Improved a lightweight YOLO-based object isolation model for foot detection, improving recognition accuracy by 50%.
- Designed a scalable cloud architecture using AWS Lambda functions to handle high-volume image processing, reducing infrastructure costs by 40% while maintaining performance at scale.
- Generated a data cleaning algorithm to remove noisy data from images, optimizing the code for a 30% faster runtime.
- Implemented patient registration and test information performance by 20% through the creation of RESTful web services using Django MVT.
- Programmed automated testing strategies using Selenium and JUnit, resulting in a 90% reduction in code errors and increasing development efficiency by 25%.
- Established and configured Apache2 across AWS EC2 instances, Raspberry Pi 3/4 tech stacks, and successfully synchronized with WebLogic.
- Achieved expertise in Flask, React, CSS, JavaScript, HTML5, and JSON to create high-performance UI designs.

PROJECT EXPERIENCE

San Diego State University

Second Handbag : Image Processing

San Diego, CA

Aug 2021 - Present

- Engineered a custom database of 10K women's bag images and seller details to deploy machine learning models.
- Innovated custom software for handbag detection with an 85% precision rate in machine-learning model performance.
- Deployed a neural network leveraging the YOLOv3 architecture to identify image ethnicity with 60% accuracy.

SKILLS

Languages: Python, Java, C, C++, HTML/CSS3, JavaScript, TypeScript, ReactJs Node.js, SQL, R

Technologies/Libraries: Flask, Django, GraphQL, Material UI, Express.js, XML, jQuery, Selenium, Restful API, PyTorch, TensorFlow, Numpy, Pandas

Frameworks: VS Code, GIT, AWS, Nginx, Apache2, Docker, Jira Board, Debugging, GitHub, JUnitReact, Android studio, Kubernetes

Databases: MongoDB, Postgres, MySQL, NoSQL