

Ravin Kaur

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EDUCATION

Netaji Subhas Institute of Technology, University of Delhi, Delhi, India

Bachelor of Engineering, Specialization in Information Technology and Computer Science, 2015 – 2019

- Top 30 of the graduating class; 100% scholarship awardee for 3 consecutive years (2016-2019)
- American Express (Amex) Makeathon 2018 (1st Position): Prototype for digital footprint expansion
 - Implemented a Shopbot that displays all the e-commerce website options available for a given product that accept Amex cards and Geofencing, for sending notifications about offers regarding American Express Cards to users entering a particular market area

EMPLOYMENT EXPERIENCE

Morgan Stanley, Montreal, Canada

Software Developer – Backend, 2022 – 2023

Security Reference Data – Data Access Layer (DAL) Team

- Developed and deployed Java Spring and Scala applications for transforming and persisting relational data (Fixed Income, equity, and equity derivatives) into objects in DAL datastore, improving data access and retrieval efficiency, resulting in a 20% reduction in data retrieval time
- Streamlined data processing using IBM Message Queue and Kafka, resulting in faster and improved data persistence by 35%
- Collaborated with cross-functional teams to ensure seamless integration and delivery of data solutions, enhancing the accuracy and accessibility of security reference data for the organization's stakeholders

Citysense Immigration Consulting – Part Time

Front End Web Development, 2022

- Conceptualized and designed the website as per the needs of the business to generate and capture effective leads for business development using HTML, CSS, React, and JavaScript
- Established best practices for documentation of code and user journey mapping to minimize latency time, optimize click-to-lead ratio, and increase business resiliency with minimum downtime

Wipro Technologies Limited, Bangalore, India

Software Developer, 2019 – 2021

App Simplification and Digital Tools Team Application Migration Tool – Eclipse IDE plugin for Java code migration

- Led the design and development of an XML-based application migration tool providing migration resolutions for deprecated syntax from Java 6 to Java 8 and 11, reducing migration time by 40% and enhancing code compatibility by resolving 200+ issues
- Optimized tool performance by identifying and fixing bugs in rulesets, resulting in increased efficiency and accuracy of the migration process for customer applications
- Online Assessment System – Pro-Bono project for a government school in India:
 - Engineered a web-based application for user account registration, login, assessment delivery, and result analysis, enabling the school to automate and streamline their assessment process resulting in a 50% reduction in processing time
 - Provided administrators with a comprehensive dashboard for managing and analyzing student performance, facilitating data-driven decision-making for enhanced educational outcomes
 - Implemented performance optimizations that improved response time by 30% for concurrent user access

PROJECT EXPERIENCE

- Hand Gesture Recognition System:
 - Developed an accurate image classifier using Convolutional Neural Networks (CNN) for intuitive hand gesture recognition, achieving 99.84% accuracy
- Restaurant Recommender Web Application using Yelp API:
 - Architected and deployed a Flask Application for retrieving data from Yelp's API and configuring an AWS database, providing users with personalized restaurant recommendations based on their preferences and location
 - Enhanced user satisfaction by offering a user-friendly interface, accurate recommendations, and real-time updates on restaurant information, enhancing the dining experience for customers
- Employee Management System:
 - Steered the creation process for a Single Page Application (SPA) with Angular4 for efficient management of employee records, enabling organizations to streamline their HR processes and enhance data organization and retrieval
 - Implemented search box filtering and in-app navigation features, facilitating easy access to employee information and improving overall productivity and efficiency in managing employee data

PUBLICATIONS

- Co-authored Chapter 5 Online Trust Evaluation, New Age Analytics - Transforming the Internet through Machine Learning, IoT, and Trust Modelling, 1st Edition, Apple Academic Press.

SKILLS

- Technical experience: Spring, JSON, Python, OOPs, Java, Scala, Linux Shell Commands, SQL, XML, Java, PMD analyzer, XPath, Spring Boot, Spring Web MVC, Spring Data JPA, h2 Database, RESTful Web Services, Keras, Scikit, OpenCV2, Python, Flask, AWS Beanstalk