

## Swasti Choubey

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### Education:

University of California, Irvine  
Master of Computer Science

Irvine, California  
Mar, 2023

Vellore Institute of technology  
Bachelor of Technology

Bhopal, Madhya Pradesh  
Jul, 2021

### Work Experience:

University of California, Irvine  
Graduate Student Researcher

Irvine, California  
Mar, 2023 – Present

- Designed advanced algorithms to leverage Artificial Intelligence for non-invasive tumor detection, resulting in a 15% more reliable and efficient diagnosis process.
- Collaborated with a team of medical professionals to analyze and interpret large datasets, leading to the identification of key biomarkers for early-stage tumor detection with a success rate of 90%.
- Optimized algorithms and reduced computation time by 40% and enabling faster analysis of patient data.

Cisco  
Software Engineer (Master's) Intern

San Jose, California  
Jul, 2022 – Sep, 2022

- Implemented machine learning algorithms for log monitoring and analysis, resulting in a 30% improvement in incident response efficiency.
- Streamlined anomaly detection processes by integrating machine learning techniques into the QA team's workflow, leading to a 40% reduction in false positives.
- Deployed a customized anomaly detection model for proactive identification of potential system issues.

Cognizant Technology Solutions  
Program Analyst Trainee

Pune, Maharashtra  
Jan, 2021 – Jul, 2021

- Formulated and executed a comprehensive project plan for the development and deployment of a web application, resulting in the successful completion of the project on time.
- Used proven methods like Test Driven Development, Continuous Integration, and Continuous Delivery in Web Application Development ensuring robust functionality and reliability.
- Engaged with a cross-functional team of designers, developers, and stakeholders to gather requirements, design user-friendly interfaces, and troubleshoot issues throughout the development process. Received 90% positive feedback from stakeholders on communication skills and ability to deliver results.

Flairsoft Consulting Group  
Intern

Bhopal, Madhya Pradesh  
May, 2019 – Jun, 2019

- Designed and implemented an ASP.NET web application that streamlined daily operations for an educational institution, resulting in a 50% increase in productivity.
- Applied C#, HTML, CSS, and SQL Server skills to develop a user-friendly interface that improved user experience
- Independently conducted rigorous testing on the web application, emphasized usability and security, and contributed to operational efficiency.

### Skills:

Programming Languages (Java, Python, C#, JavaScript), Artificial Intelligence (Machine Learning, Deep Learning), Version Control Systems (Git), Agile Methodology, Web Application Development, Database Management and Security (SQL Server, PostgreSQL), Data Analysis (Splunk, Tableau), Cloud Computing (Microsoft Azure, AWS), DevOps, Contributing to the Open-Source Community, Project Delivery, Problem Solving and Crisis Mitigation, Technical Project Management, Team Collaboration, Cross-functional Communication

### Project Experience:

Tableau Market Performance Dashboard: Analyzing Consumer Behavior and Competitive Landscape

- Created an interactive Tableau dashboard synthesizing sales records, customer surveys, and competitor analysis for comprehensive consumer behavior analysis.
- Employed Tableau's visualization tools to dissect purchasing patterns, preferences, and competitor strategies, facilitating dynamic exploration of market trends.
- Provided actionable insights for informed decision-making, spotlighting emerging trends, competitive strengths, and growth opportunities, driving strategic recommendations for market enhancement

Genetic Relation Detection

- Developed and implemented Machine Learning models to successfully detect genetic relationships in photographs, achieving an impressive accuracy rate of 70% using Multilayer Perceptron Classifier and 65% using Random Forest Classifier on the challenging Kinship Faces in the Wild dataset.
- Improved model performance by 15% through meticulous fine-tuning of hyperparameters, resulting in even more accurate predictions.
- Utilized advanced data analysis techniques to analyze the Kinship Faces in the Wild dataset, identifying key patterns and trends that contributed to the development of superior machine learning models for detecting genetic relationships.

Natural Language Processing with Disaster Tweets

- Used a linear SVM model to accurately classify tweets into real natural disasters and non-disasters, resulting in an impressive 89% accuracy rate in disaster tweet classification.
- Implemented an automated categorization system that contributed to a 20% faster disaster response time by efficiently sorting and prioritizing relevant tweets for immediate action.
- Performed comprehensive data preprocessing, removing tags, URLs, emojis, and other irrelevant information to ensure the usability of the data for analysis.

### Certificates:

Business Analysis: Working with Use Cases, JPMC Agile Job Simulation, JPMC Software Engineering Virtual Experience, Coursera Fundamentals of Visualization with Tableau, LinkedIn Learning Splunk, Cloud Computing using Microsoft Azure, Oracle Java SE 8 Programming, IBM Developer Skills Network Machine Learning with Python, Python Programming