Swasti Choubey
Irvine, CA | choubeyswasti@gmail.com | https://swchoubey.github.io/react-portfolio/ | www.linkedin.com/in/swasti-choubey

Education:

University of California, Irvine — **Irvine, California**
Master of Computer Science — **Mar, 2023**

Vellore Institute of technology — **Bhopal, Madhya Pradesh**
Bachelor of Technology — **Jul, 2021**

Work Experience:

University of California, Irvine — **Irvine, California**
Graduate Student Researcher — **Mar, 2023 – Oct, 2023**
- Designed advanced Artificial Intelligence algorithms for non-invasive tumor detection, resulting in a 15% more reliable and safe diagnosis process.
- Collaborated with medical professionals to interpret large datasets and identify key biomarkers for tumor detection with a success rate of 90%.
- Optimized algorithms and reduced computation time by 40% and enabling faster analysis of patient data.

Cisco — **San Jose, California**
Software Engineer (Master's) Intern — **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 by integrating machine learning techniques into the 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 — **Pune, Maharashtra**
Program Analyst Trainee — **Jan, 2021 – Jul, 2021**
- Executed a comprehensive project plan for the successful development and deployment of a web application.
- Used proven methods like Test Driven Development, Continuous Integration, and Continuous Delivery ensuring robust functionality and reliability.
- Engaged with a cross-functional team 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 — **Bhopal, Madhya Pradesh**
Intern — **May, 2019 – Jun, 2019**
- Built 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),** Frameworks **(React, ASP.NET, TensorFlow, PyTorch, Scikit-Learn, NUnit),** 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 **(Azure, GCP),** Atlassian (**Jira, Confluence**) **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 Customer Reviews Dashboard: Analyzing the Reviews of British Airways
- Developed a Tableau dashboard for analysis of British Airways reviews, featuring dynamic filters for metrics, duration, and passenger type.
- Calculated and Average Overall Rating of 4.19, providing actionable insights into cabin service, entertainment, and more.
- Streamlined informed decision-making, strengths, and growth opportunities, driving strategic recommendations for performance enhancement.

Genetic Relation Detection
- Implemented Machine Learning models to successfully detect genetic relationships in photographs, achieving an impressive accuracy rate of 70%.
- 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.

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
- Automated categorization system contributed to a 20% faster disaster response time by 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

Certificates:

Databricks Accredited **Generative AI** Fundamentals, Udemy **Generative AI** with Google, Udemy **Introduction to Generative AI, 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**