

Shivangi Kakkar

+1 845 633 2307 | 5444 Ainsley Drive, Westerville, OH 43082 | shivangi.kakkar@outlook.com
shivangikakkar.com | linkedin.com/in/shivangikakkarsuny | github.com/ShivangiKakkar

EDUCATION

State University of New York at New Paltz <i>Master of Science in Computer Science, Academic Excellence Awardee, Grade: 4.0/4.0</i>	New York, USA Jan. 2021 – Dec. 2022
Mody University of Science and Technology <i>Bachelor of Technology in Computer Science and Engineering</i>	Rajasthan, India Aug. 2014 – May 2018

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL - PostgreSQL/MySQL, JavaScript, HTML/CSS
Frameworks: React, Node.js, Vue.js, Flask, FastAPI, Tensorflow, Torch
Developer Tools: Git, Docker, Kubernetes, CircleCI, AWS, Azure
Certifications: Microsoft Certified - Azure Fundamentals

EXPERIENCE

Data Analyst Intern <i>Reflection Group</i>	Dec. 2022 – Present Columbus, OH
<ul style="list-style-type: none">Building the website and related content to promote Reflection GroupManaging Analysis and rationalization of Master Data to create a data lake for the upcoming ERP implementation	
Graduate Teaching Assistant <i>State University of New York at New Paltz</i>	Aug. 2021 – Dec. 2022 New Paltz, NY
<ul style="list-style-type: none">Mentored students, facilitated laboratory activities, and graded exams/assignments for courses such as CS I, CS III (Advanced Data Structures in Java), Database Management, and Introduction to UI/UX	
Full Stack Developer Intern <i>MoodConnect</i>	Jul. 2022 – Sep. 2022 Remote from New Paltz, NY
<ul style="list-style-type: none">Designed, developed, and integrated new front-end components into the existing codebaseCreated APIs to facilitate data exchange between the front-end, the relay service, and the core ML model	
Privacy and Security Engineering Intern <i>Mozilla</i>	Dec. 2018 – Mar. 2019 Remote from Tokyo, Japan
<ul style="list-style-type: none">Triaged issues, deployed bug fixes, and implemented new features for Firefox Containers Add-ons impacting 435k daily active users and over 1.8MM total usersAnalyzed demand, calculated implementation cost, and prioritized resolution and enhancement for deployment of Firefox Multi-Account Containers extensionCoded the visual user interface of the Firefox Facebook Container add-on and developed a Web Extension API for blocking Facebook sub-resources in Javascript	

PROJECTS

Modeling Climate Change using Big Data and Machine Learning	Aug. 2021 - Dec. 2021
<ul style="list-style-type: none">Established an end-to-end data collection pipeline to gather 8.6M unique data points across 321 cities going back 250+ yearsBuilt the entire data preprocessing stage using MapReduce via the mrjob library in Python 3.7Trained a Multi Class Naive Bayes Classifier and achieved an out-of-sample Weighted F1 score of 0.67	
ML based Sudoku Solver <i>Python, numpy, OpenCV, Tensorflow</i>	Jan. 2022 – May 2022
<ul style="list-style-type: none">Created an ML-based Sudoku Solver as the curricular project for my Artificial Intelligence elective courseBuilt the core solver using DFS and backtracking to maximize performance to more than 1M puzzles in 5ms eachUtilized the OpenCV Framework for Adaptive Thresholding, Warping and Canny Edge Detection in the OCR pipelineTrained a 6-layer Tensorflow Model on MNIST Digit data and achieved 99.59 percent accuracy	