Kaushal Makadia

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EDUCATION

Stevens Institute of Technology, School of Business
Master of Science in Business Intelligence & Analytics
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Expected Dec 2024
Hoboken, NJ
(GPA: 4.0/4.0)
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Relevant Courses: Business Intelligence & Data Integration, Financial Decision Making, Optimization & Process Analytics, Multivariate Data Analysis

Pandit Deendayal Energy University, School of Technology
Bachelor of Technology in Information & Communication Technology
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May 2022
Gandhinagar, India
(GPA: 8.9/10.0)
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Relevant Courses: Database Management Systems, Big Data Analytics, Artificial Intelligence, Machine Learning, Object Oriented Concepts & Programming

SKILLS

Programming: Python, SQL, React.js, Node.js, HTML, CSS, C, C++, JavaScript, Java

Software & Tools: Tableau, Microsoft Suite (Excel, Word, PowerPoint), Pandas, NumPy, Matplotlib, MongoDB, Altryx, Erwin Data Modeler, Tkinter, Seaborn, Scikit-learn, TensorFlow, Keras, OpenCV, Flutter, Selenium, Postman, SIMUL8

EXPERIENCE

TuningBill Ltd.
SDE & QA Intern
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January 2022 – June 2022
Jaipur, India
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- Programmed modules for TuningBill web app using JavaScript, React.js & examined external APIs and their requests using Postman
- Planned & developed 13 automated testing pipelines in Selenium, saving testing team's efforts

Grroom
Machine Learning Intern
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March 2021 – June 2021
Mumbai, India
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- Trained custom object detection models with YOLO v5 along with web scraping, data cleaning and annotations
- Optimized model which amplified its accuracy up to 7% & assisted dev team in revitalizing company's website by updating UI mainly using Tailwind CSS, React.js

PROJECTS

Asset Portfolio Optimization | Python
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January 2023
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- Crafted equal weighted portfolio, to which, added optimized weights based on Kelly Criterion and compared it with classical method of efficient frontier portfolio management
- Optimized the capital distribution among different assets & instruments to maximize return & minimize risk using Pyfolio, CVXOPT and visualized results using Seaborn

Stevens Institute of Technology
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December 2022
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Pizzeria Optimization | Python, MS Excel, Tableau

- Extracted top 10 bestselling pizzas after performing EDA & created dashboards in Tableau for market research from dataset containing 48000 orders
- Led the team in engineering an optimization model that recommends which pizza to make when ingredients are limited, such that profit is maximum & food wastage is minimum and developed model that suggests optimized discount rate during festive seasons such that sales are boosted & solid profit margin is maintained too

Pandit Deendayal Energy University
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April 2021
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Compresso | Python

- Compressed images without losing important segments using PyTorch, with the Local Residual learning approach in a Biliniear2DUpSampling method
- Rendered 87% accurate image extraction along with all necessary attributes kept intact