

DEVAM PATEL

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EDUCATION

Rutgers University

Bachelor of Science in Computer Science with Data Science Minor

Cumulative GPA: 3.95/4.0

New Brunswick, New Jersey

Expected May 2024 (Accelerated Path: 2023)

TECHNICAL SKILLS

Languages/Frameworks: Python Java JavaScript React Django Spring HTML/CSS R SQL C

Libraries/Technologies: Pandas Numpy Git Kubernetes Docker Apache Spark MERN stack Docker

Relevant Coursework: Data Structures Algorithms ML Principles Computer Architecture Data Science

Internet Technology Software Engineering Linear Algebra Database Design

EXPERIENCE

Bank of New York Mellon

Jersey City, New Jersey

Incoming Software Engineer Intern

June 2023 – Present

- Spearheading the design and implementation of an efficient and scalable CI/CD workflow leveraging Docker and Kubernetes.
- Implemented extensive unit tests for Apache Spark jobs using Junit and Mockito to ensure higher software quality, mitigate production issues, and increase the code coverage by 20%

Paramount Global

New York, New York

Software Engineer Intern

June 2022 – November 2022

- Optimized error monitoring and response time by developing an automated email notification system in Django, reducing API and database query error resolution time by 50% and ensuring prompt identification of issues of over 200,000 programs.
- Streamlined the Postgres database migration process by leveraging Docker containers, ensuring minimal disruption to operations and maintaining data integrity throughout the transition.

Aresty Research Center at Rutgers University

New Brunswick, New Jersey

Research Assistant - Data Analyst and Web Developer

June 2021 – August 2021

- Filtered and cleaned the raw dataset from NHANES archeival database of over 107,892 rows into a dataset that can be used for further statistical analysis, which improved the company productivity by 40%
- Analyzed age specific association between standing height and blood pressure from the NHANES database spanning from 1999-2020 of over 31,000 adults and estimated ratios using multivariate logistic regression using the Statmodels library
- Coordinated with a team of 3 interns to develop a full stack web-application using React.JS, Express, and Mongo Atlas Database (MERN stack) for a non-profit organization

Zindi Africa

Cape Town, South Africa

Data Analyst Intern

February 2021 – April 2021

- Queried databases using MySQL to identify which hackathons induce the greatest amount of submissions and entries and gauged user participation and identify target audiences which increased user engagement by 60% from last year
- Programmed a rule based probability model to flag any participants that are suspected of cheating in the data science hackathons using the submission data recorded by the company using Python and Jupyter Notebook
- Translated Jupyter notebooks from Python to R to make hackathons accessible to users who prefer R; 729 users enrolled and over half implemented this starter notebook to place on a Zindi leaderboard

PROJECTS

Travel Planning App - MERN Stack

- A full-stack web application which displays the recommended hotspots based on the location and the date given by the user. Developed the front-end with React, which implements states, props, and hooks to improve user engagement.
- Implemented a user portal with Express where the planned trip and favorite locations of the user are stored in the Mongo Atlas database.

Wells Fargo Fraud Detection Model - Python

- Built a classification model to predict elder fraud in the digital payments space with Python libraries such as Seaborn to visualize data and Random Forest Classifier from Sklearn to build the model with the accuracy of 93% and F1 score of 0.95.

Pizza Store Order Application - Java/Android Studio

- Android application, employing the MVC model, that processes customizable pizza orders, stores them in a MySQL database, and allow clients to conveniently view their orders; built with production level code practices and 85% code coverage

OTHER SKILLS AND INTERESTS

On-Campus Activities: Quantitative Finance Club, Undergraduate Student Alliance of Computer Scientists, Data Science Club

Interests: Studying different cultures through travel journalism, playing soccer (Real Madrid fan), Formula One Racing