

ROMIL PATEL

Edison, New Jersey

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EDUCATION

Rutgers University - New Brunswick

AUG 2020 – MAY 2024

B.S. in Computer Science and Data Science - GPA - 3.4

New Brunswick, NJ

RELEVANT COURSEWORK

- Data Structures
- Database Management
- Algorithms Analysis
- Deep Learning
- Intro Data Science
- Regression Methods
- Inference Data Science
- Computer Architecture
- Software Methodology
- Data 101
- Internet Technology
- D.S Capstone Project

EXPERIENCE

Amazon

May 2022 – Present

Process Assistant

Edison, NJ

- Monitored and analyzed workflow efficiency using proprietary software on a company-issued laptop to ensure daily production goals were met and exceeded
- Tracked and reported performance metrics for associates, using data-driven insights to improve productivity and operational outcomes
- Managed shift operations by coordinating with Area Managers and suppliers to resolve issues, meet deadlines, and maintain seamless production
- Ensured workplace safety compliance by conducting regular audits, addressing hazards, and fostering a safe work environment

Somshay LLC

January 2022 – May 2022

IT Intern

Edison, NJ

- Analyzed large datasets to identify trends and insights that informed automation of talent placement and optimized matching algorithms
- Utilized data visualization techniques to present actionable insights to stakeholders, improving efficiency of talent sourcing and placement
- Contributed to design and implementations of data pipelines that supported real-time analytics and reporting for client projects
- Developed and maintained data-driven analytics tools to enhance global talent sourcing strategies and decision-making processes

PROJECTS

Minesweeper Neural Network Bot | Python, Neural Networks, GANs

April 2024

- Developed and trained neural network-based Minesweeper bots for traditional and variable-sized boards, including using CNNs and GANs for board generation
- Implemented and compared performance of neural network bots against traditional logic-based bots in terms of board-clearing probability, average steps before hitting a mine, and mines triggered
- Documented project extensively with detailed explanations of model structures, data handling, training procedures, and performance evaluations

Buy Me | MySQL, Java, JSP, HTML, CSS

December 2022

- Developed an online platform for users to interact with customer service directly from their accounts
- Implemented functionalities for users to ask questions and for customer service to respond, manage bids, and edit user information
- Integrated real-time notifications to enhance communication efficiency and responsiveness

TECHNICAL SKILLS & CERTIFICATES

Programming: Python, R, Java, HTML/CSS, SQL, C

Developer Tools and Platforms: VS Code, Jupyter Notebook, R Studio, MySQL Workbench, Microsoft Power Platform, Visual Studio, Eclipse, Docker, Google Cloud Platform, Microsoft Azure

Database: Oracle Database, AWS, MySQL, PostgreSQL, MongoDB

Systems: Windows, osX, Linux

Certificates: Python Course - HackerRank, AWS: Cloud Practitioner, IBM Data Science Professional Certificate