

Dhaval Khunt

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PROFILE

- Proficient in data analysis, machine learning, and data engineering with expertise in Python, SQL, and data visualization tools.
- Developed predictive models and conducted comprehensive data analysis to drive actionable insights.
- Experienced in handling large datasets and building intuitive dashboards for data-driven decision-making.
- Strong collaboration and communication skills, with a proven ability to work effectively in cross-functional teams.

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, C, C++, Java, JavaScript, Embedded C, HTML, CSS, JSON
- **Data Management:** SQL, MySQL, MongoDB, Data Wrangling, Data Cleansing
- **Data Analysis & Visualization:** Power BI, Excel, Pandas, NumPy, Matplotlib, Seaborn, Tableau
- **Machine Learning & AI:** TensorFlow, Keras, Scikit-learn, PyTorch
- **Frameworks & Libraries:** ReactJS, Node.js, Express.js, FastAPI, Selenium
- **Tools:** Git, GitHub, VS Code, Jupyter, Docker, Postman, AWS
- **Operating Systems:** Linux, UNIX, Windows, macOS, VMware
- **Other:** API Development, Software Development Lifecycle (SDLC), Unit Testing, Agile Methodology, Version Control (Git), CI/CD

EDUCATION

Master of Applied Computing

Jan 2024 - Present

University of Windsor, Windsor, ON

- Final semester of program requires a 4- or 8-month internship that would start in Jan 2024.
- Relevant course work: Advanced Systems Programming, Advanced Database Topics, Advanced Software Engineering, Advanced Computer Concepts.

Bachelor of Technology, Information Technology

Jul 2018 - May 2022

Charusat University, Anand, Gujarat, India

- Relevant course work: Object Oriented Programming, Data Structures and Algorithms, Database Management System, Cryptography and Network Security, Machine Learning, Internet of Things, Artificial Intelligent.

PROFESSIONAL EXPERIENCE

IOT Intern

Dec 2021 - Apr 2022

Avea Media Labs Pvt Ltd, Ahmedabad, Gujarat, India

IOT Devices, MQTT, RESTful APIs, ESP32, Raspberry Pi, Python, Node.js, Html, CSS, JavaScript

- Built and integrated IoT solutions using ESP32 and Raspberry Pi, utilizing MQTT for device communication
- Developed server-side logic with Node.js and managed MySQL databases for efficient data handling
- Tested and enhanced smart lighting systems, collaborating with cross-functional teams for project success
- Designed a user-friendly web application with EJS for real-time system monitoring and management, facilitating intuitive interaction and data visualization.

PROJECTS

Layoff Analysis and Prediction Project
 University of Windsor, Windsor, ON

May 2024 - Aug 2024

Technology: Python, Machine Learning, Data Visualization, Power BI

- Built a machine learning model to forecast layoff probabilities by analyzing employee demographics and organizational data.
- Conducted in-depth analysis to identify key drivers behind layoffs, leveraging advanced statistical techniques.
- Developed an interactive Power BI dashboard for visualizing layoff patterns, enabling filtering by industry, company size, and region.

Food Price Analysis in JAVA
 University of Windsor, Windsor, ON

Jan 2024 - Apr 2024

Technology: Java, Selenium, Maven, CSV

- Constructed a Java-based command-line search engine to aggregate food prices from multiple websites.
- Automated web scraping using Selenium to extract data from three distinct websites, each offering ten different product categories, and ensuring daily updates.
- Implemented efficient search features using advanced data structures like Trie, hash map, and Priority Queue.
- Enhanced data analysis capabilities by adding filters and sorting options for various food attributes.

COMPETETION

SMART GUJARAT FOR NEW INDIA HACKATHON 2020
 Government of Gujarat

Feb 2020

- Developed innovative solutions for real-world problems, demonstrating strong initiative and leadership.

CSI-AVISHKAR Tech-Expo 2019
 Computer society of India

Aug 2019

- Achieved 1st Rank for a groundbreaking technology exhibit, demonstrating excellence in innovation, technical proficiency, and leadership.

COURSES AND CERTIFICATIONS

Introduction to Spark SQL and DataFrames
 LinkedIn Learning

July 2024

- Gained proficiency in handling large datasets using Spark SQL and DataFrames, focusing on data extraction, transformation, and queries for big data analytics.

PowerBI: Dashboards for Beginners
 LinkedIn Learning

Mar 2024

- Learned the essential skills for creating interactive and insightful dashboards in Power BI, facilitating data-driven decision-making.

Python Data Structures
 University of Michigan | Coursera

OCT 2020

- Acquired foundational knowledge of Python data structures like lists, dictionaries, tuples, and sets, enhancing data processing capabilities.