DEVARSH VANDITKUMAR JOSHI

(365) 499-2600 | devarshvanditkumar.joshi@ontariotechu.net |
LinkedIn | devarshjoshi.com

Professional Summary

- Detail-oriented and ambitious Computer Science student at Ontario Tech University with a strong passion for data analytics and intelligent systems.
- Hands-on experience with data pipelines, exploratory data analysis, and visualization tools including Power BI, QuickSight, and Python-based libraries.
- Practical exposure to web development, business process optimization, and database management through internship and academic projects.
- Proficient in guiding peers in technical tasks and fostering collaborative environments.
- Solid foundation in Object-Oriented Programming, Data Structures, and Software Engineering principles.

Skills

- **Languages** Python, C++, Java, JavaScript, Swift, R, Kotlin, HTML, CSS, SQL, Latex
- **Frameworks** jQuery, ReactJS, NodeJS, MongoDB, Django, OpenCV, SciPy, Pandas, NumPy
- **Tools/Platforms** GIT, PowerBI, Tableau, PostgreSQL, MySQL, Toad Data Modeler, Gradle, Linux, Docker, Xcode
- **Relevant** Software Development, Data Visualization, Computer Vision, Machine Learning, Data Analysis
- **Professional** Communication skills, Leadership skills, Time Management, Self-Starter, Problem Solving

Education

Ontario Tech University Oshawa, ON   2023 - 2027

Bachelor of Science (Hons.) - Computer Science

Projects

FlexFit – Personalized Fitness Tracking App
                    Technologies: Kivy, FastAPI, SQLite, Matplotlib, Cloudinary

- Engineered a full-featured fitness app allowing users to log workouts, track weight/height progress, and view health analytics over time.

- Integrated data visualization with BMI, weight, and height graphs using Matplotlib, with backend support via FastAPI and SQLite.

- Implemented user streak tracking, progress achievements, and dynamic workout logging across sessions.

- Designed a mobile-friendly UI using KivyMD and enabled image uploads via Cloudinary API for personalized workout creation.

RottEd – AI-Powered Educational Content Generator
                    Technologies: Python, Flask, gTTS, Google AI APIs, MoviePy, Kotlin, HTML, JavaScript

- Designed and developed an AI-based application (web + Android) that transforms academic PDFs into short, engaging TikTok-style educational videos.

- Automated the pipeline for summarizing uploaded PDFs, generating images and voiceovers, and stitching them into consumable videos using MoviePy and gTTS.

- Ensured accessibility and user engagement by integrating text-to-image and text-to-speech AI models to create multi-sensory learning experiences.

- Implemented both a Flask-based web platform and a Kotlin Android app for cross-platform availability.

- Aimed to improve learning retention by addressing reduced attention spans and promoting mental well-being through microlearning.

Drug Data Analyzer – Exploratory Data Analysis (EDA)

Technologies: Python, Pandas, Seaborn, Matplotlib, NumPy

- Performed detailed EDA on drug-related datasets to explore trends in approval ratings, conditions treated, and patient feedback.

- Cleaned and structured large CSV datasets, applying data wrangling techniques for accurate analysis.

- Visualized insights using bar charts, distribution plots, and correlation heatmaps to highlight relationships between drug types, effectiveness, and review scores.

- Delivered an end-to-end notebook with clearly labeled sections, in-depth commentary, and summary takeaways for data-driven decision-making.

Client-Server Chat Application

Technologies: Java, JavaFX, Scene Builder, XML, Multithreading, Socket Programming

- Collaborated in a team of four to build a real-time chat application featuring a user-friendly GUI and bi-directional messaging.

- Optimized client-server communication using multithreaded socket programming to ensure low-latency messaging.

- Refactored both client-side and server-side logic to improve code efficiency and modularity.

- Designed an intuitive and functional interface using JavaFX with Scene Builder and XML for layout definitions.

Work Experience

Intern - Data Analyst & Developer   January 2023-June 2023

ShubhKey Infotech LLP
- Collaborated on multiple analytics projects using Python, DAX, and Power BI to uncover actionable business insights.
- Created interactive dashboards and reports to support decision-making.
- Gained hands-on experience with ETL workflows and database systems like Microsoft SQL Server and MySQL.
- Mentored junior interns on web development best practices, encouraging a culture of technical learning.

Team Member - Retail & Customer Experience   January 2024-February 2024

Ontario Tech University Bookstore
- Delivered exceptional customer service by managing orders and assisting customers in a fast-paced environment.
- Worked cross-functionally with team members to maintain store operations and handle peak-time rushes efficiently.

Volunteer/Extra Curricular Experience

Volunteer March 2025-April 2025 First Robotics Canada