

# Ashwini Khedkar

(857)544-9921 | [khedkar.as@northeastern.edu](mailto:khedkar.as@northeastern.edu) | [linkedin.com/in/ashwini-khedkar](https://www.linkedin.com/in/ashwini-khedkar) | [github.com/Ashwini1197](https://github.com/Ashwini1197)

## EDUCATION

### Northeastern University

Master of Science in Information Systems

Boston, MA

Expected May 2024

### Pune University

Bachelor of Engineering in Computer Engineering

Pune, India

July 2019

## TECHNICAL SKILLS

**Programming Languages:** Python, C/C++, SQL, C#, Java, JavaScript, HTML/CSS, R, Jinja

**Frameworks:** Flask, Django, Nifi, Spark, Kibana, Streamlit, Dash, Kubernetes, Docker

**Developer Tools:** Git, AWS, Azure, VS Code, Visual Studio, PyCharm, Eclipse, Anaconda, Jupyter, Excel, RStudio, Airflow, Databricks, Tableau, Snowflake, PowerBI, Alteryx, Talend, ER Studio

**Libraries:** Pandas, NumPy, Matplotlib, Seaborn, Sci-kit learn, Tensorflow, Keras, Yolo, LLM, GenerativeAI, CLIP

## PROFESSIONAL EXPERIENCE

### Graduate Research Assistant

Northeastern University

Sep. 2022 – Present

Boston, MA

- Build a YOLO model with MAP=0.9 to detect game objects to study spacio-temporal awareness. Published a paper at IEEE COG 2023 - [Measuring gaze behavior to characterize spatial awareness skill in Rocket League](#)
- Develop a pipeline using python and unity scripts to collect and synchronize eye-gaze, joystick keypress and screen recording data and further perform post processing to analyze player's performance

### Software Engineering Intern - Cloud and Data

Rivian Automotive

May 2023 – Aug. 2023

Palo Alto, CA

- Engineered ETL pipelines to profile PCAP/Telemetry data with Airflow and Databricks, resulting in a 30% reduction in data processing duration and improved data consistency
- Built a Streamlit-powered dashboard for ADAS(Self Driving/Autonomy) KPI visualization, outperforming Tableau by 11% and facilitating ad-hoc analysis

### Technology Engineer

Virtusa Corporation

Oct. 2020 – Jul. 2022

Bangalore, India

- Performed profiling and exploratory data analysis of raw internal and external data sets for the enhancement of client's analytic engine in MongoDB and Python
- Streamlined ETL processes and database structures, cutting data processing time by 10% through custom transformation scripts
- Developed over 70 Python Flask and Jinja-based application programs to improve MongoDB data retrieval and mapping, improving risk analysis engine accuracy and got awarded with Excellence Work Award

### Associate Technology Engineer

Virtusa Corporation

Aug. 2019 – Sep. 2020

Pune, India

- Implemented 25+ custom COBOL scripts for software and configuration changes in Test and Production environments
- Achieved Reduction by 30% in fail transaction detection time and bolstered server effectiveness by leveraging monitoring tools including Moogsoft (AIOps), Grafana, Kibana, and ServiceNow

## ACADEMIC PROJECTS

### IMDb Data Integration and Analytics | Northeastern University

Sep. 2023 – Dec. 2023

- Led a collaborative team to seamlessly integrate diverse data sources (MySQL, TSV, JSON) for a comprehensive IMDb dataset by orchestrating the process and utilizing PowerBI and Tableau for BI Dashboards Development
- Executed efficient ETL processes with Talend, integrating metadata-based connections, contexts, and environments to optimize data flow by 35% and transformation for a unified IMDb dataset

### Flight Recommendation & Price Forecasting | Northeastern University

Sep. 2023 – Dec. 2023

- Designed an advanced Airline Recommendation System and streamlined integration, encompassing a recommendation system, ARIMA-based forecasting and cloud deployment using Databricks and Amazon S3
- Engineered a user-friendly Streamlit interface, facilitating efficient decision-making based on ARIMA forecasting for user-selected flights enabling customization by airline, source, and destination preferences