Kishan Kumar Parida

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EDUCATION

Northeastern University, Khoury College of Computer Science — Boston, MA
Master of Science in Data Science — **Expected:** *May 2026*

Relevant coursework: Algorithms, Artificial Intelligence, Supervised Machine Learning, Database Management, Data Mining

Dr. MGR University — Chennai, India
Bachelor of Technology in Computer Science (Data Science and AI) — *June 2020 - May 2024*

Relevant coursework: Data Structures, Big Data Analytics, Statistics & Probability, Object-Oriented Programming, Deep Learning, Natural Language Processing, Hadoop, Cloud Computing

SKILLS

Programming Languages:	Python, SQL, Java, JavaScript, R
Data Visualization:	Tableau, Matplotlib, Seaborn, Plotly, Power BI, Excel
Database:	PostgreSQL, Oracle, MySQL, MongoDB, SQLite
ML / Cloud / Tools:	AWS, GCP, Docker, Git, Jupyter, Excel, Spark, Airflow
Frameworks & Libraries:	Pandas, NumPy, Scikit-learn, TensorFlow, Keras, Statsmodels

EXPERIENCE

Universiti Sains Islam Malaysia — Nilai, Malaysia
Research Assistant — *September 2023- April 2024*

- Analyzed data from the university's Entrepreneurship Development Center, evaluating the performance of student-led startup projects.
- Tracked key performance indicators (KPIs) for student ventures, including the **Monthly Revenue Growth**, **Customer Retention Rate**, **Product Launch Timelines.**
- Cleaned and organized project performance data from surveys, Excel sheets, and internal databases using **Python (Pandas)**.
- Built weekly progress dashboards and KPI trend charts in **Matplotlib** to monitor startup progress across cohorts.

MIRC Electronics Ltd. — Mumbai, India
Data Analyst — *November 2022- January 2023*

- Analyzed and cleaned over **120,000 rows** of historical sales and inventory data from the company's home appliances division. Tracked and reported KPIs across 8 product categories
- Used **SQL** to join and filter records from inventory and transaction tables; reduced query time by optimizing joins and filtering logic.
- Automated Excel-based sales reports using Python, cutting down manual reporting time by approximately **35%**.
- Created visual dashboards in **Power BI** to present trends to the sales operations team, leading to improved forecasting for the next quarter's regional targets.

PROJECTS

Analyzing U.S. College ROI | *Python, Power BI* — *June 2025 - Ongoing*

- This project answers: Which U.S. colleges provide the highest ROI considering tuition costs, graduation rates, and post-graduation earnings by employing the U.S. Department of Education's College Scorecard data.
- Applying data mining and visual analytics to create an interactive dashboard helping students make data-informed college decisions.

NU Redeye Path Optimizer | *Python, Fast APIs* — *January 2025 - April 2025*

- Reduced average van route time by 27% by implementing Simulated Annealing and other local search algorithms to solve the Traveling Salesman Problem for nightly student pickups.
- Designed a scalable backend using FastAPI and optimized booking logic to handle 120+ dynamic student bookings across 10 vans with real-time updates.
- Clustered student locations using K-Means and DBSCAN, balancing load per van and improving ride distribution efficiency by 35% during peak hours (7 PM– 11 PM)

Data visualization Dashboard for Consumer Behavior | *Python, Power BI* — *September 2024 - December 2024*

- Developed a Python-powered ETL pipeline to preprocess and analyze consumer data from surveys and feedback, cleaning and structuring over 20,000+ data points for analysis.
- Trained a classification model (Random Forest) to predict consumer buying behavior with 82% accuracy, using scikit-learn and hyperparameter tuning for improved results.
- Designed a Power BI dashboard with interactive visualizations to present behavior trends by age, gender, product categories, and sentiment, enhancing stakeholder understanding and driving data-informed marketing strategies.