YASH HARALE

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EDUCATION

Northeastern University, Boston, USA **Sept 2024 - Dec 2026**
Master of Science in Data Analytics
Relevant Courses: Foundation of Data Analytics, Database Management and Analytics, Data Mining, Computation and Visualization

TECHNICAL SKILLS

Data Modelling: Predictive Modelling, Time-Series Analysis, Machine Learning, ETL, Hypothesis Testing, Statistical Analysis
Visualization: Power BI (KPI Dashboards, Power Query, DAX, Report Automation), Matplotlib, Plotly, Seaborn, Tableau
Cloud Platforms: AWS (S3, Glue, Crawler, Athena, QuickSight), Firebase, MongoDB
Programming & Tools: Python (Pandas, NumPy, SciKit-Learn), SQL, NoSQL, JavaScript, Typescript, Solidity, Excel, Git, Figma

TECHNICAL PROJECTS

Employee Attrition Analysis **Apr - May 2025**
- Developed a machine learning pipeline to analyze and predict employee attrition using Python, with tools including Pandas, NumPy, Matplotlib, Seaborn, and Scikit-learn
- Performed EDA to uncover key attrition drivers like job satisfaction and overtime; visualized insights to support HR decision-making
- Trained and evaluated models (Logistic Regression, Decision Tree, Random Forest, KNN) using metrics like accuracy, precision, and recall identifying the most effective predictors
- Visualized prediction results in an interactive Power BI dashboard, enabling HR stakeholders to explore attrition risk dynamically and make data-driven retention decisions

Atliq Sales Insights **Mar - Apr 2025**
- Automated data integration between MySQL and Power BI to enable real-time, dynamic reporting and eliminate the need for manual data uploads
- Performed ETL operations within Power BI to clean, transform, and prepare sales data for analysis, ensuring consistency and accuracy across report
- Designed interactive dashboards using DAX measures to visualize trends and KPIs, helping sales teams monitor performance and make strategic, data-driven decisions

Car Resale Prediction **Mar - Apr 2025**
- Created a predictive model to estimate car resale prices to help stakeholders in the automotive industry make informed decisions about inventory, purchases, and pricing strategies
- Addressed the business need for accurate vehicle valuation by analyzing how features like mileage, age, fuel type, and horsepower influence a car's resale value
- Used Python with Pandas, NumPy, Matplotlib, Seaborn, and Scikit-learn to clean data, detect outliers, perform EDA, and train regression models (Linear Regression, Random Forest, XGBoost) with performance tuning for reliable predictions

PROFESSIONAL EXPERIENCE

Sartha Education, Gujrat, India **Aug - Dec 2023**
Chief Technology Officer (Startup)
- Led a technical team of 5 engineers, overseeing the design and development of a high-performance website that facilitated seamless student-teacher connectivity, improving student engagement by 20%
- Engineered the platform using the MERN stack, integrating Next.js, Tailwind CSS, and Figma for a fully responsive, SEO friendly UI/UX
- Automated backend workflows using NoSQL (Firebase & MongoDB), reducing manual data entry by 90%
- Collaborated with key stakeholders, aligning technical strategies with business goals, resulting in a 30% increase in operational efficiency

Thakur College of Engineering and Technology, Mumbai, India **Aug 2023 - Jun 2024**
Technical Co Ordinator
- Propsed a college prediction model using statistical analysis, which was integrated into the university admission portal, boosting performance by 40%
- Conceptualized and built a CRM system leveraging the MERN stack, enabling university officials to track and resolve student inquiries 65% faster, enhancing departmental responsiveness and student satisfaction
- Integrated Firebase to execute NoSQL queries and streamlined database management, simplifying user data handling and reducing administrative overhead
- Coordinated 20+ tech events and collaborated across departments to drive student engagement and data adoption