Nikhil Ghugare

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EDUCATION

Master of Science in Data Science, Seattle University GPA - 3.5/4   *June 2026*
Relevant Coursework: Statistical Machine Learning, Big Data Analytics, Data Visualization & Business Intelligence   Seattle, WA

Bachelor's in Computer Engineering, Savitribai Phule Pune University GPA- 3.4/4   *May 2024*
Relevant Coursework: Data Science, Machine Learning, Data Structures, Operating Systems, Computer Networks, OOPS   Pune, India

EXPERIENCE

Data Science Intern   Houston, Texas
Motherson Group – Chairman's Office, Americas   Jun 2025 – Aug 2025

- Developed and automated Power BI dashboards integrating HR and salary data from 5 countries and 80+ entities, enabling real-time tracking of workforce metrics, data integration across systems, and leadership insights through dashboard automation.
- Utilized SQL and advanced Excel for data extraction, cleaning, and transformation, ensuring consistency across multi-source datasets and enhancing data reliability for data reporting.
- Built interactive visualizations to analyze trends in manpower, recruitment, and compensation, supporting strategic planning and executive decision-making.
- Collaborated with cross-functional HR and finance teams to standardize KPIs, automate data pipelines, and maintain confidentiality of sensitive employee information.

Data Science Intern   Mumbai, India
Prodigy InfoTech   Jan 2024 – Feb 2024

- Conducted exploratory data analysis (EDA) on large datasets using Python (pandas, NumPy, matplotlib) to identify key trends and business insights for predictive analytics.
- Designed and implemented predictive machine learning models for business forecasting, applying algorithms such as Linear Regression and Random Forest to improve accuracy and performance.
- Utilized SQL, MySQL, and Oracle for data extraction, schema design, query optimization, and ERP database development with structured ER diagrams and flowcharts.
- Collaborated with cross-functional teams to translate analytical findings into data-driven solutions, enhancing workflow efficiency and reporting accuracy through interactive visualizations.

Web Development Intern   Remote
Oasis InfoByte   Feb 2023 – Mar 2023

- Utilized a versatile skill set to proficiently work with HTML, CSS, WordPress, and JavaScript, creating interactive web interfaces and contributing to UI/UX design.
- Crafted intuitive user pages prioritizing engagement, leveraging expertise with Figma to translate design visions into compelling visual mock-ups
- Strengthened technical prowess and deepened understanding of creating seamless digital experiences through comprehensive involvement in web development initiatives

PROJECTS & RESEARCH

Online Transaction Fraud Detection | *Python, Scikit-learn, XGBoost, Pandas, NumPy, Matplotlib, MySQL*   Project
- Built and fine-tuned a fraud detection model using XGBoost and Random Forest, enhancing prediction accuracy.
- Conducted EDA and feature engineering on large financial datasets to optimize model performance and reduce false positives.

Youth Drug Use Risk Modeling | *Python, TensorFlow, Keras, NumPy, Librosa, CNN*   Github
- Processed 55K+ behavioral health records using feature engineering, encoding, and SMOTE to improve model balance.
- Trained and optimized Random Forest, XGBoost, and SVM models, achieving high ROC-AUC and recall for early risk detection.

Bird Audio Classification Using Deep Learning | *Python, TensorFlow, Keras, NumPy, Librosa, CNN*   Github
- Converted bird call MP3 recordings into Mel spectrograms and trained a custom CNN for binary and multiclass species classification.
- Applied data augmentation and dropout regularization, achieving over 90% precision in noisy real-world audio environments.

TECHNICAL SKILLS

- Programming & Analytics: Python, R, SQL, Java, C++, Excel (Pivot Tables, VLOOKUP, Data Cleaning)
- Machine Learning & AI: Scikit-learn, TensorFlow, PyTorch, XGBoost, Keras, CNNs, SVM, NLP (BERT, SpaCy, VADER)
- Visualization & Geospatial Tools: Power BI, Tableau, ArcGIS Pro, Matplotlib, Seaborn, Plotly, Google Charts
- Data Engineering & Cloud: AWS (EC2, S3, Lambda, EKS), MySQL, ETL Pipelines, GCP, Azure, Hadoop, PySpark, Hive, Docker, MongoDB, Data Warehousing
- GenAI & Professional Skills: RAG Pipelines, LangChain, GenAI Tools (Gemini, Claude, Cursor), Leadership, Problem-Solving, Communication