ATHARVA VISHAL KAPADNIS

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Skills

- **Programming and Data Handling:** Python, R, SQL, NoSQL
- **Machine Learning and AI:** Deep Learning, Time Series Forecasting, AutoML, Generative AI
- **Experimentation and Data Science:** A/B Testing, Bayesian Optimization, Casual Inference, Statistical Modelling
- **Big Data and Scalable Systems:** Hadoop, Cloud Computing, ETL Pipelines, Distributed Computing, Apache Spark
- **MLOps & DevOps:** CI/CD, Model Deployment, Git, Docker.
- **Visualization:** Tableau, Power BI, Matplotlib, Seaborn

Certifications

- **Data Scientist (Data Camp):** Verified skills in **EDA, modelling, and statistical experimentation** through hands-on assessments.
- **Data Analyst (Data Camp):** Certified in **data management, visualization, and business strategy** via practical evaluations.

Experience

University of Texas at Arlington **Jan 2025 - Present**
Graduate Teaching Assistant

- **Tutored 100+ students** in introductory programming, leading to a **15%** improvement in average exam scores
- **Debugged and optimized code** for students, reducing common programming errors by **30%** and enhancing problem-solving skills.
- **Led coding workshops** in Python and R, increasing student engagement by **25%** through hands-on exercises.
- **Provided personalized support**, helping **80%** of students enhance their coursework performance and coding proficiency.

Micro Labs Limited **Feb 2023 – May 2023**
Data Analyst Intern

- **Performed statistical analysis**, including **ANOVA, hypothesis testing, and regression modelling,** to assess drug performance across clinical trials.
- **Engineered data pipelines** for processing clinical and operational datasets, optimizing data retrieval speed by **30%** using **SQL and Python**.
- **Developed interactive dashboards** in **Power BI and Tableau**, automating trail performance tracking and reducing manual reporting time by **40%**.
- **Conducted A/B testing** to evaluate different drug formulations, providing data-driven recommendations that optimized formulation success rates.

Projects

Stock Dashboard: (Tech: Python, TensorFlow, Scikit-Learn, Streamlit, Statsmodels)

- Developed predictive models for 10 stock tickers, improved accuracy by 15% with hybrid models and automated training to cut processing time by 40%. Built a real-time stock dashboard using Streamlit, enabling interactive exploration of stock trends.

Easy-ML: (Tech: Python, Scikit-Learn, Pandas, Streamlit, H2O-AutoML)

- Designed a no-code ML platform that automates 90% of the data processing and model selection, reducing setup time by 50%, with an intuitive web interface for seamless model training.

Customer Segmentation & Revenue Prediction: (Tech: Python, Scikit-Learn, Pandas)

- Analyzed sales trends, build ML models for revenue prediction with 85% accuracy, and automated feature engineering to streamline data preparation.

AR: A Visual Aid for Classrooms: (Tech: Unity3D, ARCore, Vuforia)

- Developed an AR-based learning tool, boosting student engagement by 15%, and published research in a renowned conference.

Education

University of Texas at Arlington, Arlington, USA **August 2023 – May 2025**
Master of Science – Data Science GPA: 3.89/4.0

New Horizon College of Engineering, Bengaluru, India **Aug 2019 – Jun 2023**
Bachelor of Engineering – Computer Science GPA: 3.44/4.0

Publications

- **AR- A Visual Aid for Classrooms (Case Study):** Published at WCASET 2023, highlighting AR's impact in education.
- **AR- A Visual Aid for Classrooms (Literature Survey):** Published at ACT 2023, analyzing AR advancements.
- **The entirety of the voice assistant:** Published in IJSRSET 2022, exploring voice assistant evolution.