

Amogh Ramagiri

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EDUCATION

George Washington University | Master of Science in Data Science **May 2026** | **Washington DC**

Relevant Coursework: Machine Learning Analysis, Visualization of Complex Data, Data Warehousing, Data Mining

Presidency University | B.Tech in Computer Science and Engineering (Spec. in AI and ML) **May 2024** | **Bangalore, India**

TECHNICAL SKILLS

Languages: Python, R, SQL, C

Data Analysis: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow, PyTorch, GenAI (OpenAI GPT, LangChain)

Tools: AWS (EC2, S3, RDS, CodePipeline), Azure (Data Lake, Synapse, Fabric), Firebase, Supabase, MongoDB, Power BI

PROFESSIONAL EXPERIENCE

Fulton Bank **May 2025 – Present** | **East Petersburg, PA**

Data Scientist Intern

- Implemented a machine learning model to predict loan approval rates, reducing false positives by 18% while simultaneously maintaining a low portfolio delinquency rate.
- Transformed 7 inefficient SQL queries into streamlined solutions, accelerating data processing by 15% and improving credit risk data accuracy for the Lending team across business lines.
- Played a key role in migrating on-premises data warehouses to Azure cloud, leading to a 20% improvement in data quality scores and a 43% increase in system performance.
- Rebuilt and optimized 15+ Power BI dashboards for key business lines using Microsoft Fabric and MS Power BI Azure, enabling real-time, cloud-native reporting and enhanced decision-making capabilities.

Data Science for Sustainable Development

Oct 2024 – Present | **Washington DC**

Data Scientist Consultant, Head of Research and Development

- Built an AI-driven summarization pipeline that transformed complex energy reports into concise executive summaries, reducing stakeholder review time by 40%.
- Led research strategy on sustainable energy analytics, guiding a team of 5 in applying advanced machine learning and GenAI techniques to improve energy efficiency across 18+ university buildings.
- Integrated a GenAI chatbot into the Streamlit app to provide real-time answers to facility managers' queries on energy metrics and sustainability insights.

Factocart, Velabh Technologies Pvt. Ltd.

Mar 2024 – Aug 2024 | **Bangalore, India**

Data Scientist

- Enabled strategic decisions about client acquisition and sales that drove 11% boost in overall sales within 6 months by analyzing 10GB+ datasets fetched from AWS RDS.
- Predicted customer demand with 92% accuracy, leading to 13% reduction in stockouts and optimizing inventory management across 10+ product categories using machine learning models.
- Performed hypothesis and A/B testing to evaluate the effectiveness of marketing campaigns, identifying high-performing strategies that led to a 15% increase in conversion rates.

National Changhua University of Education

Sept 2023 – Mar 2024 | **Changhua, Taiwan**

Research Assistant

- Implemented dual-layer biometric authentication system integrating DeepFace for facial recognition and MFCC features for voice recognition, enhancing overall accuracy by 30% over traditional single-modal systems.
- Conducted comprehensive statistical analysis on biometric data, pinpointing and resolving the four most significant causes of authentication failures, leading to improved system performance and reliability.
- Architected an interactive solution via Flask and Python to access 1,200+ individual authentication records stored within NAS servers linked to Raspberry Pi units; attained meaningful gains in speed without sacrificing accuracy.

AWARDS & ACHIEVEMENTS

- **Won 1st Place – LionHacks 2025** : Led a team of 2 to victory at LionHacks 2025, designing and implementing AcademicNFT, a soul-bound NFT credentialing platform, enabling AI-verified documents to be minted as secure NFTs.
- **Global Leaders Award (2024)** : Secured a 25% scholarship towards a Master's in data science at George Washington University, awarded for academic excellence and leadership potential.

PROJECTS

Perance AI-Powered Personal Finance & Investment Management Platform

- Developed Perance, an end-to-end personal finance web application using React, Next.js, and Supabase that enabled tracking of over 4 asset types and savings forecasts with 85% accuracy.
- Integrated OpenAI's ChatGPT API to create a financial assistant that interprets user queries like 'What is a fixed deposit?', boosting financial tool engagement by 30% among younger users.