

Anthony Breeganzo Thomas

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SUMMARY

Aspiring Data Scientist with a strategic background in software engineering, currently expanding my expertise through a Master's in Artificial Intelligence. Focused on leveraging data analysis and market intelligence, I aim to enhance product strategies and improve team performance. My experience in software development and project management equips me with the insights needed to drive product innovation and manage complex projects in fast-paced environments. I am eager to apply my advanced analytical skills and deep understanding of data-driven decision-making to meet high standards and regulations.

EDUCATION

QUEEN MARY UNIVERSITY OF LONDON, London

Sep 2023 – Sep 2024

Postgraduate: *Artificial Intelligence*

Relevant Coursework: Applied Statistic, Artificial Intelligence, Machine Learning, Computer Vision, Deep Learning for Computer Vision, Cognitive Robotics, Advanced Robotics, and Ethics. Engaged in strategic projects and collaborative reviews to meet and exceed educational benchmarks. Received the prestigious Commonwealth Master Scholarship

REVA University, Bangalore

Aug 2019 – Jul 2023

Undergraduate: *Computer Science and Engineering*

Relevant Coursework: OOPs, DBMS, Discrete Mathematics, Data Structures and Algorithms, Operating Systems, Cloud Computing, Computer Networks, Data Mining, Artificial Intelligence, and Pattern Recognition. participated and achieved Runners-up in the IET (HEROES OF NET-ZERO) Hackathon 2021

RELEVANT EXPERIENCE

COMPUTER VISION ENGINEER, ZERO2AI, London

Jan 2024 – Mar 2024

- **Application Development:** Worked, built, and compared various SDXL and Dalle models for Appstorm.ai (<https://www.appstorm.ai/>)
- **Project Evaluation:** Evaluated, documented, and reported analysis on various diffusion models and fine-tuned them

STUDENT ENGINEER INTERN, EVERTZ, Bangalore

Oct 2022 – Jul 2023

Project Client – NHL, NBA, MLB

- **Product Development:** Automated processes and monitored the performance of the OTT platform utilizing the debugger panel and updated the front end of the web application, implementing functionality to fetch and record players with incorrect headshots for over 10,000 images.
- **Product Testing:** Inspected and interpreted NHL games utilizing Test Sigma, combining manual and automated testing methodologies
- **Leadership:** Provided guidance and training to new interns on fundamental testing principles using Test Sigma

INTERN IN THE GPI AUTOMATION SERVICES, ATKINS, Bangalore

Feb 2022 – May 2022

- **PowerBI and Excel Mastery:** Contributed as a Python Developer, collaborating on a geospatial database project acquired proficiency in PowerBI creating dashboards and cleaning data using Excel during project engagement
- **Product Testing:** Inspected and spearheaded the programming efforts for the PANGEA project, establishing connectivity between land and sea routes across regions including England, Scotland, and Wales

PROJECTS

- **GenAI ChatBot Using Gemini API:** Developed a Generative AI chatbot using the Gemini API, deployed via Streamlit, and hosted publicly on GitHub, enabling interactive conversations through natural language processing and accessible via a web interface. (<https://breeganzo.streamlit.app/>)
- **Indian Plant Leaf Image Classification Using Custom Neural Networks:** Engineered and optimized a convolutional neural network to classify plant leaf images of 38 different classes over 70,000 images achieving 96.02% accuracy. Utilized advanced techniques including batch normalization and adaptive pooling for enhanced performance. Created a web application using React for the frontend and Flask for the backend, which facilitated the integration and display of the model along with its accuracy metrics.
- **Rapid Composting using IoT:** Developed an intelligent system that monitors temperature, humidity, and gas emissions, transmitting this data to the cloud for real-time monitoring and storing it in a database for analysis. The system also sends SMS alerts via Twilio when gas production begins, utilizing a dedicated server to gather data from the Arduino program.
- **NBA Performance Analysis PowerBI Dashboard:** Developed a PowerBI dashboard to analyze the win rates and market values in professional basketball, providing dynamic visual insights to assess performance trends and financial impacts in the sport.

CERTIFICATIONS & ACHIEVEMENTS

- Gained Knowledge on MS Power BI, Tableau, AWS, and MS SQL Server, alongside training in Business Intelligence and Agile development from YouTube.
- Earned certifications in "Mathematics for Machine Learning: Multivariate Calculus" from Imperial College London, "Building AI-Powered Chatbots Without Programming" from IBM, and "Neural Networks and Deep Learning" from DeepLearning.AI from Coursera.
- Gained expertise in machine learning, enabling the creation of data-driven, predictive systems and won Runners-up at the IET Hackathon 2021.
- Secured the prestigious Commonwealth master scholar 2023.

TECHNICAL PROFILE

- **Technologies & Tools:** GIT, MySQL, PowerBI, Tableau, Excel, TensorFlow-Keras, PyTorch, Generative Adversarial Networks, Diffusion Models, Scikit-learn, NLTK, Pandas, Numpy, Matplotlib, SharePoint, Databricks, Power Apps
- **Platforms:** Linux, Web, Windows, AWS, MacOS
- **Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management, Accountability, Decision Making, Strategic Planning