

Moeez Malik

Greencastle, Indiana, 46135 • 765-712-2866 • moeezislammalik@gmail.com • [linkedin.com/moeez-malik](https://www.linkedin.com/moeez-malik)

EDUCATION

DePauw University (Bachelor's in Computer Science & Business Analytics) **Graduation Date: May 2026**

- Minor: English Writing

Certifications: Microsoft Power BI PL-300, Google Data Analytics, IBM Python for Data Science, Microsoft Azure Fundamentals, Training the Street (TTS) Excel Best Practices, TTS Excel and SQL for Finance, IBM AI Expert

TECHNICAL SKILLS

Programming: Python (pandas, NumPy, Seaborn, scikit-learn), Java, C/ C++, JavaScript, HTML/CSS, Kotlin

Analytics/BI Tools: SQL, Power BI, Tableau, Microsoft Excel (advanced), Databricks, Microsoft Azure, AWS

Data & Machine Learning: Predictive Modeling, Churn Analysis, Data Visualization, ETL Pipeline design

Frameworks & Platforms: React, Node.js, Express.js, Django, MongoDB, Bootstrap, Git/GitHub

WORK EXPERIENCE

Cable One - Summer Analyst Intern, Business Intelligence | Phoenix, AZ **May 2025 - Aug 2025**

- Optimized **11+ Databricks ETL pipelines**, reducing latency by **30%** and improving **BI** dashboards
- Built **3 Power BI** dashboards with **star-schema** modeling, showing broadband adoption across **24** states
- Built churn prediction models with **Python** and **SQL**, identifying key drivers and retention opportunities
- Presented **Q2 BI** deep-dive to C-suite, turning analytics into insights that shaped a **\$420M** acquisition

Mastercard - Data Science Intern, Product Team | Remote **June 2024 - Aug 2024**

- Developed **Python ML** models on **87M+** transactions, boosting product recommendation accuracy by **15%**
- Applied **PySpark** in **Databricks** to uncover customer spending patterns, informing digital payments strategy
- Built **Power BI** dashboards to track adoption **KPIs**, enhancing product manager decision-making

DePauw University - Software Development Stem Guide | Greencastle, IN **Sept 2024 - Present**

- Mentored **22+** students weekly in **Java OOP**, guiding game projects and labs to build coding skills
- Facilitated **8+** hands-on coding workshops that increased student engagement, project completion by **40%**

Prindle Institute of Ethics - Research & Data Analytics Intern | Greencastle, IN **Dec 2024 - Jan 2025**

- Collaborated with **6** faculty members to design and integrate business analytics into humanities curriculum
- Built **SQL** databases for market analysis projects, enabling **1,000+** students annually to generate insights
- Developed a **React** interface directly linked to the database, improving workflow efficiency by **37%**

LEADERSHIP EXPERIENCE

AI in Business Club – Founder & President | Greencastle, IN **January 2026 - Present**

- Founded a student club to explore **AI/ML** applications in **business** and **analytics** and host guest speakers
- Organized workshops on **AI Agents**, predictive modeling & AI tools (**Python, TensorFlow**) for **64** members

DePauw International Student Affairs - Lead Ambassador | Greencastle, IN **March 2025 - Present**

- Mentored **55+** incoming international students through pre-arrival, visa, and cultural adjustment processes
- Hosted orientation events and provided 1:1 support to students from **25+** countries helping them navigate

Google Developers Group - Programming Team Lead | Greencastle, IN **Oct 2023 - May 2024**

- Organized **5** cloud workshops on **Firestore** and **TensorFlow**, training **40+** members to deploy **ML** models
- Designed a **Django** web application enabling **11** members to view club info and execs to manage tasks/files

PROJECTS

AI Agents in Finance – “Ask Moeez” (J.P. Morgan Inspired) (May 2025):

- Developed a prototype AI agent using **LangChain**, and **OpenAI API** on datasets to answer finance queries
- Built **AI Q&A** tool automating **DCF** and churn analysis, cutting time by **43%** and improving BI decisions

Anomaly Detection on Transaction data (March 2025):

- Processed **2M+** transaction records with **Python, SQL**, and **PySpark**, cleaning data for anomaly detection
- Built ensemble **RF, XGBoost** with **AUC-ROC 0.90** and 70% precision@5%, reducing false positives by **20%**