SHIV RAJ BANGAD

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PROFILE

Aspiring Data Scientist applying analytics at the intersection of data science and machine learning, with experience building predictive models, pipelines, and dashboards. Proficient in designing A/B tests and applying statistical inference to validate financial models, risk analysis, and market trends.

EDUCATION

Purdue University, Daniels School of Business — **West Lafayette, IN**
Master of Science in Business Analytics and Information Management — **Dec 2026**
- **Relevant Courses:** Business Analytics, Data Mining, Machine Learning, Reinforcement Learning, Cloud Computing, Advanced Database Management, Computational Finance
- **Certifications:** AWS Certified Cloud Practitioner, AI-900 Microsoft Azure AI Fundamentals

University of Cincinnati, Carl H. Lindner School of Business *(Double Major)* — **Cincinnati, OH**
Bachelor of Science in Business Analytics and Bachelor of Business Administration in Finance — **May 2025**
- **GPA:** 3.9/4.0
- **Achievements:** *Lindner Business Honors*: Kolodzik Business Scholar (Awarded to the top 5% of business students)

PROFESSIONAL EXPERIENCE

BDT & MSD Partners (Private Equity) — **Chicago, IL**
Financial Analyst Intern — **Jun 2025 - Aug 2025**
- Prepared and reconciled ~$100M in capital calls and distributions, ensuring 100% accuracy in investor allocations
- Automated cash workflows with SQL queries and Excel models, cutting processing time by 30%
- Analyzed portfolio performance for $2B+ AUM, identifying data quality gaps and optimizing investor reporting metrics
- Developed a guide for the management fee process, enabling faster onboarding and reducing completion time by 20%

University of Cincinnati - Center for Business Analytics — **Cincinnati, OH**
Data Analyst (Cintas) — **Jan 2025 - May 2025**
- Designed an automated Python anomaly pipeline, reducing annual manual audit time by 360+ hours
- Leveraged feature engineering and statistical normalization to boost model predictive performance by 30%
- Engineered a 99%+ accuracy Scikit-Learn classifier for production-grade supply chain deployment

Data Analyst (HBH Holdings) — **Sep 2024 - Dec 2024**
- Built a Python pipeline to convert legal PDFs/Word files into structured text using Poppler, and NFKC normalization
- Engineered an intelligence system integrating Haystack and Mistral 7B LLM for semantic retrieval under 5 secs/query
- Leveraged NLP techniques, including tokenization and text processing, enhancing search accuracy by 75%
- Presented the project and its impact to executives, demonstrating a 50% boost in legal document processing efficiency

Great American Insurance Group — **Cincinnati, OH**
Data Analyst Intern — **Apr 2022 - Apr 2024**
- Performed 10+ critical analyses monthly, facilitating data-driven decision-making across the organization
- Executed monthly data processing for 70,000+ policies, managing a total premium value of approximately $1 billion
- Designed Access databases and SQL queries to streamline workflows, reducing retrieval times by 40%
- Developed an Excel-to-Tableau dashboard, automating reporting and reducing analysis time by 50%

PROJECTS

Data4Good National AI Competition (Ongoing) — **Oct 2025 - Present**
- Developing an AI model to classify AI-generated educational content as factual, contradictory, or irrelevant
- Building and benchmarking logistic regression, Random Forest, and BERT models to improve prediction accuracy
- Implementing NLP methods like TF-IDF, tokenization, and sentiment analysis for better performance and interpretability

Predictive Modelling for Firm Bankruptcy | Kaggle Competition — **Nov 2025 - Dec 2025**
- Achieved 1st place out of 37 teams, securing a top-tier ROC-AUC of 0.9493 in predicting corporate insolvency risk
- Built a 3-stage super-learner combining XGBoost and LightGBM models with a Logistic Regression meta-learner
- Developed an "Evolutionary XGBoost" algorithm to generate and select high-interaction features over 100 generations

Stock Market Return Prediction — **May 2024 - Aug 2024**
- Developed BART, SVM, and Random Forest models to predict stock market returns using macroeconomic/financial data
- Improved out-of-sample R^2 by 10% through advanced feature engineering and hyperparameter optimization

SKILLS

- **Programming & Tools:** Python, R, Java, SQL, VS Code, Jupyter, Excel
- **Data & Analytics:** Tableau, Power BI, ETL Pipelines, MySQL, PostgreSQL, SQL Server, AWS, Azure, GCP, Hadoop
- **Machine Learning & Finance:** TensorFlow, PyTorch, NLP, LLM Models, Financial Modeling, DCF Analysis

LEADERSHIP ACTIVITIES

Lindner Investment Banking Club *(Analyst)* — **Aug 2023 - Dec 2024**
University of Cincinnati Business Analytics Club (*Treasurer)* — **Aug 2022 - May 2023**