

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 for financial modeling, risk analysis, and market trends.

EDUCATION

Purdue University, Daniels School of Business <i>Master of Science in Business Analytics and Information Management</i>	West Lafayette, IN Dec 2026
• Relevant Courses: Business Analytics, Data Mining, Machine Learning, Reinforcement Learning, Cloud Computing, Advanced Database Management, Computational Finance	
• Certifications: AWS Certified Cloud Practitioner	

University of Cincinnati, Carl H. Lindner School of Business (Double Major) <i>Bachelor of Science in Business Analytics and Bachelor of Business Administration in Finance</i>	Cincinnati, OH May 2025
• GPA: 3.9/4.0	

PROFESSIONAL EXPERIENCE

BDT & MSD Partners (Private Equity) <i>Financial Analyst Intern</i>	Chicago, IL 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 <i>Data Analyst (Cintas)</i>	Cincinnati, OH Jan 2025 - May 2025
• Designed and developed a dynamic anomaly detection dashboard using Python and Pandas, automating SKU-level data audits and reducing manual review time by over 360 hours annually	
• Executed data wrangling and exploratory analysis to enhance ML model performance by 30%	
• Delivered a scikit-learn model achieving 99%+ accuracy, ready for deployment in Cintas operations	
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%	
• Developed a scalable document embedding system using Jina and Chroma for efficient document retrieval	
• Presented the project and its impact to executives, demonstrating a 50% boost in legal document processing efficiency	
Great American Insurance Group <i>Data Analyst Intern</i>	Cincinnati, OH 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%	
• Trained 3 incoming interns on data processing and reporting tools, ensuring smooth transition	

PROJECTS

Data4Good National AI Competition (Ongoing)	October 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	
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 R² 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, Spark, Snowflake
- **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