Nicholas Bindela

New York, New York, US | SOFTWARE ENGINEER
+1 (914) 539-1544 | njb2163@columbia.edu | https://github.com/njb2163

WORK EXPERIENCE

Chewy Boston, MA
Software Engineer II Oct 2024 - Present
Software Engineer I Sep 2022 - Oct 2024

- Engineered AWS infrastructure, onboarding ML models to supply chain platform
- Devised scalable data solutions operating within SQL and Python, augmenting research productivity
- Directed data pipeline development with Vertica and AWS, guaranteeing smooth data transition
- Designed a novel high performance service, containing six relational database schemas and four sub-services. Led a team of engineers through implementation, providing guidance and support as needed

Ask2AI New York, NY
Research Assistant Jun 2024 - Aug 2024

- Initialized, trained and tested over 10 linear and tree based models to predict commercial loan defaults
- Enhanced model accuracy through innovative feature engineering. Created 4 new features by encoding 'loan interest rate' column into quartile ranges
- Employed Shapley Adaptive Reasoning to facilitate stakeholder communication by providing two scopes for interpret model predictions, sample based and model based

FAST Enterprises Hartford, CT
Implementation Consultant Sep 2021 - Aug 2022

- Implemented a tax refund subsystem using C# and SQL, resolved refund-related issues during two major software rollouts, and led weekly client meetings to refine software functionality based on feedback

Bucknell University Lewisburg, PA
AI and Cognitive Science Research Assistant Jun 2019 - May 2020

- Conducted NSF-funded research over 12 months to develop a cognitive agent API using Python and Common-LISP, enabling human-like agents to learn from simulated environments and perform simple tasks

PROJECTS

Social Media Friendship Application Sep 2024 - Dec 2024

- Designed and developed a social media application by consulting stakeholders, prototyping 30 potential solutions, creating low- and high-fidelity screens, and implementing a React front end with a Flask back end

Spotify Track Popularity Prediction Sep 2024 - Dec 2024

- Built and optimized regression models to analyze a dataset of 30,000 Spotify tracks, achieving a 9% improvement in MAE compared to baseline models and identified key predictors danceability, energy, and valence, with tree based models having best performance

EDUCATION

Columbia University New York, NY
Master of Science - MS, Computer Science Expected Dec 2025
Bucknell University Lewisburg, PA
Bachelor of Science - BS, Computer Science and Engineering May 2021

LANGUAGE AND IT SKILLS

Data Visualization, Cloud Architecture, Systems Design, Data Warehousing, API Development, Data Analysis, User Experience, Problem Solving, Team Collaboration, Critical Thinking, Machine Learning, Continuous Integration, Version Control, Technical Leadership, Python, Scikit-learn, Matplotlib, Pandas, Kaggle, Terraform, AWS, Jenkins, Git, TensorFlow, PyTorch