Bhaven Naik

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○ Github

Profile

Machine Learning Engineer with 1.5+ years of experience delivering end-to-end AI/ML solutions, with expertise in scalable deployment, MLOps, and infrastructure optimization. Holding a Master's in Applied Computer Science, I combine technical depth with strategic consulting. I've led forecasting and predictive analytics projects, translating complex models into impactful, data-driven business outcomes. Focused on delivering measurable value through AI innovation.

Professional Experience

Artificial Intelligence Consultant, *Lemay.ai* ↗   09/2023 – present
                                                                                        Ottawa, Canada

- Leading the development of a machine learning-based forecasting project to deliver predictive insights supporting critical business decisions.
- Built and deployed full-stack AI applications with LLM integration using Angular (frontend) and FastAPI (backend).
- Provisioned scalable, secure cloud infrastructure with Terraform and Ansible to support efficient AI deployments.
- Automated training workflows and model lifecycle with Python, Airflow, and MLflow.
- Designed distributed RL environments using multi-GPU setups to accelerate training and experimentation.
- Contributed to developing a mobile application platform incorporating Kafka for real-time, event-driven messaging systems.
- Worked on a due diligence tool with Neo4j knowledge graphs, GraphRAG, and LLM pipelines for NER, summarization, and multi-source ETL automation.

Technical Skills

- **Machine Learning & Data Science**: PyTorch, TensorFlow, Keras, Scikit-Learn, Hugging Face, Reinforcement Learning, Computer Vision, Pandas, NumPy, PySpark, MLflow, DVC, Airflow, Matplotlib, Power BI
- **Programming & Web Development**: Python, JavaScript (Node.js), FastAPI, Flask, Express.js, React.js, Gradio, HTML5, CSS3, Bootstrap
- **MLOps & DevOps**: Git, GitHub, GitLab, Bitbucket, Docker, Kubernetes, Airflow, MLflow, DVC, Terraform, Ansible
- **Cloud & Infrastructure**: AWS, Azure, Hadoop, Sqoop, Hive, MySQL, MongoDB
- **Tools & Environments**: VS Code, NeoVim, JetBrains, Jupyter, Anaconda, Jira, Slack, Zoom, MS Teams, Discord
- **Operating Systems**: Linux, macOS, Windows
- **Memberships & Certifications:** IBM Machine Learning Essentials

Education

Master of Applied Computer Science (graduated), *St. Francis Xavier University* ↗   2020 – 2022
                                                                                          Antigonish, Canada

Bachelor of Computer Engineering (graduated), *University of Mumbai*   2016 – 2020
                                                                                          Mumbai, India