

AI Solutions Hub

From Research to Production: Delivering State-of-the-Art AI Solutions for Real-World Problems

The **AI Solutions Hub** delivers tailored, end-to-end AI solutions that are practical, scalable, and designed for real-world use. Our solutions, built on Responsible AI principles, can be deployed both on-premise and in the cloud, driving high business value and ROI.

Why partner?

The Northeastern ecosystem gives you three advantages:

- **Breadth:** multi-disciplinary experts on call
- **Speed:** hands-on builders and co-ops
- **Longevity:** knowledge transfer and upskilling to evolve and own

“The EAI and Roux Institute team has been an incredible partner by seeking to understand our needs, then helping us build innovative solutions using safe and responsible AI practices. Their partnership has enabled us to advance our goals of deepening customer relationships and providing frictionless service.”

Bob Montgomery-Rice

President and CEO of Bangor Savings Bank

Solutions Include:

AI for Operations

- Document Processing
- Time Series Forecasting
- AI Agents for Automation

AI for Marketing

- Chatbots & AI Assistants
- Recommendation Systems
- Next-Best Product & Churn Models

AI for Risk & Compliance

- Credit & Risk Scoring
- Fraud Detection
- Compliance Monitoring

AI for Innovation

- Generative AI Applications
- AI Copilots
- Multi-Modal AI (text, image, voice, video)

Custom AI Solutions

- Bespoke Models
- Hybrid Predictive + Generative AI

AI Expertise

We deliver production-ready AI solutions built on these core capabilities:

- Generative AI
- Predictive AI
- Large Language Models
- AI Agents
- AI Opportunity Roadmaps
- Experiential AI Upskilling
- End-to-End Solution Delivery
- Cloud Deployment

Why Teams Choose Us

We deliver AI that works now and builds capacity for later.

- **Built-for-you Solutions** Production-ready AI tailored to your business challenges
- **Research to Production** Solutions you can operationalize, backed by state-of-the-art innovation
- **Embedded Training** Equipping your teams to maintain and extend solutions

How We Deliver

We follow a time-tested methodology to deliver reliable, scalable AI solutions.

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| DISCOVER | Requirements Gathering & Solution Design |
| BUILD | Bespoke Development of Responsible AI Models |
| ITERATE | Agile Delivery with DevOps, MLOps & CI/CD |
| DEPLOY | Cloud and/or On-Premise Deployment |
| SUSTAIN | Knowledge Transfer, Training & Support |

Partnering with us connects you to Northeastern's applied AI professionals, faculty, and elite co-op talent—so you can scale faster, de-risk decisions with research depth, and maintain momentum with a continuous pipeline of builders.

The Team



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