

Nikan Eidi

Newmarket, ON | +1 (437) 878-8383 | nikaneydi1984@gmail.com | GitHub: github.com/NikanEidi | Portfolio: nikanvision.dev

Objective

Seeking the AI Innovation Intern position at NPX to leverage my skills in AI and software development. I excel in designing and deploying AI solutions that enhance user experiences and streamline workflows. My unique differentiator is my hands-on experience with automation and AI projects, which I can apply to improve nuclear operations. I am eager to contribute to NPX by delivering measurable outcomes and driving innovation.

Highlights of Qualifications

- Proficient in prompt engineering and rapid prototyping of AI solutions.
 - Experienced in conducting user interviews and usability testing for product validation.
 - Strong background in integrating front-end and back-end systems for seamless deployment.
 - Demonstrated ability to refine ideas through data-driven feedback and experimentation.
 - Skilled in developing modular workflows using n8n for automation.
 - Knowledgeable in AI tools and their application in real-world scenarios.
 - Ability to manage multiple projects simultaneously while maintaining high-quality standards.
 - Committed to continuous learning and adapting to new technologies in AI.
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Technical Skills

- **Programming:** Python, JavaScript, TypeScript, C, C++, SQL, Bash, NumPy, pandas, scikit-learn, PyTorch, TensorFlow, Keras, XGBoost, LightGBM
 - **Web Development:** React, Next.js, Flask, FastAPI, Node.js/Express, HTML5, CSS3, Tailwind CSS, REST APIs, Vite
 - **Databases:** PostgreSQL, SQLite, MongoDB, Supabase (Postgres)
 - **Version Control:** Git, GitHub
 - **Tools:** VS Code, Vim, Jupyter Notebook, Streamlit, Postman, Matplotlib, Seaborn, MLflow, Weights & Biases, DVC, conda, pip, Poetry, Figma
 - **Concepts:** RESTful APIs, Machine Learning, Data Cleaning, Feature Engineering, NLP, Computer Vision, Model Training & Evaluation, Transfer Learning, TF-IDF & Cosine Similarity, Experiment Tracking, Model Serving, SDLC, Agile/Scrum, Testing & Debugging, Authentication & Authorization
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Education

- Advanced Diploma in Computer Programming & Analysis (Expected 2026)
- Machine Learning with Python — Maktabkhooneh (2025)
- Python Programming — Maktabkhooneh (2025)

Projects

[CineVision](#) — AI-powered movie recommendation web app.

- Utilized Flask for backend development and TMDB API integration.
- Implemented a content-based recommendation engine using TF-IDF.
- Designed a responsive UI with React and Vite for enhanced user experience.

[VisionFlow \(AI Job & Resume Agent\)](#) — Automated workflow for generating tailored resumes using AI.

- Developed n8n workflows integrated with AI APIs for automation.
- Automated PDF generation and cloud storage for efficiency.
- Implemented error-handling mechanisms to ensure reliability.

[Data Structure Visualizer](#) — Visualizing algorithms through an interactive Streamlit app.

- Created animations for BFS, DFS, and sorting algorithms.
 - Enabled adjacency matrix editing and speed controls for user interaction.
 - Built a modular architecture in Python for easy maintenance.
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Experience

QA / Automation Developer — Pay Way Less (2024 – Present)

Developed automation scripts using Python and Selenium for testing.

Created comprehensive regression test scenarios and reporting tools.

Collaborated with development teams to enhance software reliability.

Activities & Interests

- Building full-stack and AI side projects.
- Experimenting with UI/UX design concepts.
- Exploring cloud automation and DevOps fundamentals.