Alex Lotkov | Phone: (317)-789-5564 | Email: alexlotkov124@gmail.com | alotkov@iu.edu

Portfolio: https://alex-lotkov-portfolio.vercel.app/
Linkedin: https://www.linkedin.com/in/alex-lotkov-0b0948243/
Github: https://github.com/MagicCoding2006?tab=repositories

EDUCATION & AWARDS

Indiana University - Luddy school of Informatics, Computing, and Engineering | Bloomington, IN
Major - B.S. in Computer Science | Minor - Math | Expected May 2029
2nd Place UI/UX Competition – Awarded IUPUI Scholarship

SKILLS

Python (NumPy, Pandas), C++, Java, TensorFlow, PyTorch, Deep Learning (CNNs, RNNs, LSTMs), Scikit-learn, SQL, MongoDB, Web Scraping, Git/GitHub, Google Cloud

WORK EXPERIENCE

- **Soccer Club (Hoosier FC):** Trained youth travel players (ages 8–13) in technical and tactical soccer skills, adapted complex drills into age-appropriate instructions, improving player engagement and work-ethic.
- **App Development Tutor:** Delivered one-on-one tutoring on programming fundamentals (Python, Java) for 12-17 year olds, Translated technical concepts into clear, relatable examples for learners with varied backgrounds.
- **Website Development for Small Businesses:** Volunteered to build websites for small local businesses, improving their online presence, learning to manage client relationships.

ACTIVITIES, PROJECTS, & LEADERSHIP

App Development & Leadership *(Spring 2024 - Present)*

- Led a team of 2 developers, demonstrating project management & collaboration (over 50 downloads)

Social Media Creator Dashboard *(Summer 2025)*

- Built a pipeline to scrape and analyze TikTok/Instagram videos, applying AI to evaluate content every 4 frames.
- Developed a retrieval-augmented chatbot that leverages a creator's past videos as context for personalized script generation.

Sales Team Performance Analyzer SaaS *(Summer 2024)*

- Applied ML models to sales data; automated reporting into business insights

LSTM Model for Trading Cryptos *(Summer 2025)*

- Collected and cleaned large-scale financial time-series data using Python data libraries.
- Engineered and trained LSTM neural networks to model sequential patterns in historical pricing data.
- Tuned hyperparameters (batch size, epoch count) to reduce overfitting and improve model generalization.