

Neil Ganguly

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PROFESSIONAL SUMMARY

I am a dedicated and motivated computer science student at the University of Illinois at Urbana-Champaign with a passion for utilizing my skills in data analysis and machine learning to solve complex problems. Set to graduate in May 2026, I am actively seeking job opportunities to apply my expertise in Java, Python, and C++ in a professional setting.

SKILLS

Languages: Java, Python, C++, CSS, HTML
Competencies: Keras, TensorFlow, FlickrAPI
Professional Skills: Sass, Git

EDUCATION

BS, Bachelor of Science in Computer Science, University of Illinois at Urbana-Champaign

Expected May 2026

● Relevant coursework: Data Structures, Linear Algebra, Computer Architecture.

EXPERIENCE

Spotline

May 2022 - Aug 2022

Software Engineer Intern

- Utilized scikit-learn models to create classifiers and regressor models
- Employed Python libraries such as pandas, numpy, matplotlib, seaborn, and scipy for data preprocessing
- Completed a project from May-August 2022 with a focus on developing technical skills in software engineering.

Fermilab

May 2020 - Aug 202

Software Engineer Intern

- Completed a mentor-supervised project on the analysis of beam position monitor performance
- Utilized data visualization, filtering, and analysis techniques to extract insights
- Employed SVD factorization to simplify data into smaller matrices

PROJECTS

Nut Guardian

Jan 2023 - May 2023

- Developed a birdfeeder prototype with a Raspberry Pi module
- Implemented a convolutional neural network using TensorFlow and Keras libraries
- Successfully trained the model to accurately identify birds and squirrels

Inspirit AI Project

Aug 2022 - Aug 2022

- Collaborated with team of four to develop machine learning object detection model for self-driving cars
- Implemented various methods including sliding window image classification, perceptron models, and transfer learning
- Integrated real-time video classification using YOLO for improved accuracy and efficiency