

# KARTIK GANGWAR

## EDUCATION

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### B.S. COMPUTER SCIENCE & DATA SCIENCE

*University of Wisconsin–Madison*

May 2028

*Madison, WI*

- ◆ **Relevant Coursework:** Programming II, Programming III, Linear Algebra & Differential Equations, Intro to Computer Engineering

## SKILLS

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Python, Java, JavaScript, Typescript, HTML, CSS, TensorFlow, NumPy, BERT, scikit-learn, PyTorch, Machine Learning, Jupyter Notebook, Git, Firebase, Public Speaking, Team Leadership, Research.

## EMPLOYMENT HISTORY

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### PROJECT MANAGER

*AI@UW*

Mar 2026 – Present

*Madison, WI*

- ◆ Lead a team to develop an AI-powered stock sentiment analysis dashboard.
- ◆ Managed project direction, coordinating development tasks, and guiding ML implementation.
- ◆ Designed pipelines to process real-time market sentiment data.

### SOFTWARE ENGINEERING INTERN

*FiPet*

Jan 2026 – Present

*(Remote) Madison, WI*

- ◆ Developed and shipped features for a production React Native mobile application using TypeScript, Firebase Firestore, and Cloud Functions.
- ◆ Implemented backend logic, integrated APIs, debugged UI components, and built gamification features.

### SUMMER INTERN

*iStart Valley*

Jun 2024 – Oct 2025

*Fort Worth, TX*

- ◆ Led a team of 5 interns to design and pitch a VR-based mental health startup, conducting product-market fit analysis, market research, and technical prototyping.
- ◆ Promoted to Associate Vice President of the Youth Executive Committee of the Technology Subdivision
  - ◆ Developed strategies to promote various programs offered by iStart Valley, increasing visibility and outreach.

### ASSISTANT FACILITATOR

*STEMsbala Enrichment Center*

Jun 2023 – Aug 2025

*Naperville, IL*

- ◆ Instructed middle and high school students in Python and JavaScript, and coached FLL robotics teams by leading project-based learning in programming, sensors, and autonomous robot design.
- ◆ Designed hands-on STEM workshops using project-based learning to boost student engagement and produce measurable improvements in problem-solving confidence.

## ADDITIONAL INFORMATION

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### PROJECTS

- ◆ **Convolutional Neural Network Image Recognition Project** (July 2024 – Oct 2024)
  - ◆ Built and optimized CNN models in TensorFlow/NumPy to analyze brain cell trauma patterns in veterans.
- ◆ **TrueNeed - Real Time Resource Matching App** (February 2026-Present)
  - ◆ Built a React Native + Firebase app connecting people offering and requesting resources.
  - ◆ Designed a real-time matching system with dynamic database updates
- ◆ **Stock Prediction Model using BERT** (June 2025 – December 2025)
  - ◆ Designed an ML pipeline leveraging BERT to analyze stock market trends from social media sentiment.

### HONORS

- ◆ Global Semi-finalist at iStartValley's Business Pitch Competition (2024)
- ◆ 4th Place State Finals finish at the Illinois Speech and Debate competition (2025)
- ◆ 3rd Place - UW Madison Product Management Case Competition (2026)