

Kartikeya Duvvuri

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PROFESSIONAL SUMMARY

A driven professional with a passion for technology, data analytics, and problem-solving. Quick to adapt and eager to learn, with a strong ability to analyze complex data, develop innovative solutions, and optimize system performance. Committed to continuous growth, mastering new skills, and contributing to impactful projects. A proactive thinker and team player, dedicated to driving efficiency, innovation, and excellence in any field.

EDUCATION

Georgia State University | College of Honors

Expected Graduation: May 2026

Bachelor of Science in Computer Science

Award(s): President's List (2022) | Dean's List (2023 – Present)

SKILLS

Languages: Proficient- Python(3yrs) · JavaScript(2yrs) Intermediate- SQL(2yrs) · Java(1yrs) Beginner- C(1yrs) · R(1yr)

Software Tools: PowerPoint | Excel | PowerBI | SharePoint | MySQL | Tableau | Autodesk | Google Cloud | AWS

IBM Introduction to Software Engineering Certificate

February 2025 | Coursera

- Learned SDLC, development tools, technologies, architectures, and design patterns.
- Gained knowledge of programming languages, Python fundamentals, software engineering skills, and career opportunities.

Google Data Analytics Professional Certificate

January 2025 | Coursera

- Extracted insights by conducting data cleaning, transformation, and analysis using spreadsheets, SQL, Tableau, and R.
- Gained hands-on experience in data analysis, mastering data cleaning, organization, and visualization to extract meaningful insights.

WORK EXPERIENCE

Software Associate Intern | Cognizant

June 2025 – Present | Atlanta, GA

- Assisted in the development of internal web applications using React.js and Java Spring Boot, streamlining key workflows across finance and operations teams
- Participated in daily Agile stand-ups, sprint planning, and code reviews alongside senior engineers to improve code quality and maintain consistent deployment cycles
- Built RESTful APIs and integrated third-party services to enable data retrieval and automation features for client-facing applications

AI & Machine Learning Intern | Fathom Realty – Titan

February 2025 – May 2025 | Atlanta, GA

- Researching and implementing AI applications in real estate, including chatbots and predictive analytics, leading to a goal of 20% improvement in client engagement and response efficiency.
- Managing 10,000+ data points for AI model training while supporting project planning, documentation, and user testing for improving AI accuracy by 15%.
- Collaborating with cross-functional teams to design AI systems aimed at improving client engagement and response efficiency by 20%.

AI Software Developer | FRAMEFLOW | PREPPER

December 2024 – Present | Atlanta, GA

- Developing an AI-powered dance instruction app using Machine Learning techniques such as pose estimation (MediaPipe, OpenPose) and motion analysis (LSTMs, 3D CNNs) to compare user movements with expert choreography.
- Developed Prepper.ai, an AI-powered recipe generator to create personalized meal plans.

PROJECTS

FrameFlow | Team Project & Open-source (~20 hours) - [FrameFlow](#)

December 2024 – Present

- Developing an AI-powered dance instruction platform utilizing pose estimation and deep learning, analyzing 10,000+ body movements
- Building scalable AWS architecture (S3, Lambda, Rekognition) to process 500GB+ of dance motion data for real-time comparison and tracking
- Implementing automated video analysis workflows to produce side-by-side comparisons, motion capture previews, and similarity scoring

LEGO Data Analysis | Individual Project (~6 hours) - [Lego-Data-Analysis](#)

January 2025

- Analyzed dataset of 15,000+ LEGO sets spanning multiple decades to identify trends in theme longevity, piece count evolution, and pricing adjustments over time
- Visualized data insights using Matplotlib, Seaborn, and Pandas to create interactive and static plots including heatmaps, trendlines, and distribution graphs

Prepper | Team Project (~10 hours) - [Prepper](#)

December 2024 – Present

- Implemented computer vision techniques using TensorFlow and Keras to recognize and classify 100+ common ingredients from user-uploaded images
- Developed a responsive web interface using Streamlit, allowing users to select preferences and receive interactive meal plans

ACTIVITIES

Volunteer & Events Officer | Hindu YUVA GSU

April 2024 – Present

Organized and coordinated events for the Hindu Yuva group at Georgia State University, focusing on cultural engagement, community outreach, and educational workshops

Volunteer | St. Vincent DePaul

April 2023

Volunteered at St. Vincent DePaul in Georgia, assisting with distributing food to homeless individuals, maintaining food quality and quantity, and supporting the organization's outreach efforts