

# ASHRITA KUPPILI

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## EDUCATION

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<b>University of California Irvine, BS. Computer Science</b>	Class of 2026
<b>Lynbrook High School</b>	Class of 2022

### Relevant Coursework

AP Computer Science A: Java	Data Structures - Advanced Java	Python Programming
Software Development With Java	Microcomputer Assembly Programming	Multivariable Calculus
Programming in C/C++	Computer Networks	Web 2.0 Cloud Fundamentals

### Skills

Languages: Java, Python, MySQL DB, Javascript, C++, Git, HTML, Scratch, Google Colab, Jupyter

## EXPERIENCE AND PROJECTS

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- **Software Engineer Intern at Oracle** June 2025 - September 2025
- Used Oracle AI Agent Studio to generate unit tests for PL/SQL procedures by creating advanced prompt engineering techniques and refining LLM responses.
  - Researched on prompt design and created prototypes to improve model accuracy and test coverage.
  - Developed an AI Work Order Agent to automate retrieval of material details, check on-hand quantities, suggest substitutes, and reserve inventory.
- **Software Engineer Intern at Propel.AI** June 2024 - September 2024
- Built a Chrome extension with generative AI, allowing users to query research content.
  - Designed serverless AWS lambda functions for extracting text from documents and constructing Retrieval-Augmented Generation (RAG) chains with Pinecone and GPT-4 to train LLMs.
- **Google Developer Club Programmer** January 2024 - March 2024
- Analyzed customer order data for a local food aggregator company and derived actionable insights to improve business decisions and enhance customer experience.
  - Implemented Python libraries using Jupyter Notebook to derive metrics and plots for analyzing the data.
- **Tutor Math Resource Center at West Valley College** February 2023 - October 2024
- Provided personalized tutoring sessions to West Valley College students, focusing on Calculus, Intermediate Calculus, Differential Equations, and Discrete Math.
  - Assisted students in understanding complex mathematical concepts, preparing them for exams, and improving their problem-solving skills.
- **Python Tutor for Experian Summer Code Camp** July 2022 - August 2022
- Led programming sessions for 100+ middle and high school students, teaching them how to build applications using Python.
  - Developed curriculum materials and guided students through hands-on coding exercises, helping them to apply theoretical knowledge in practical projects.
- **Software Programming Volunteer Leader at San Jose Library** June 2022 - December 2022
- Organized and led coding workshops for middle and high school students, focusing on Java and Scratch programming.
  - Encouraged collaboration among students, helping them develop teamwork and problem-solving skills.

## AWARDS

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Finalist in John Lewis SVUDL Speech and Debate Tournament	AP National Scholar
Most Inspirational Player Award - Lynbrook High School Tennis	
Coaches Award - Lynbrook High School Tennis	