

# MAHIKA POPLI

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## EDUCATION

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**University of Cambridge**, *M.Phil in Management* Oct '23 – Jun '24 (*Expected*)  
**University of California, Irvine**, *B.S. in Computer Science, Specialization in Intelligent Systems* Sept '19 – Dec '22  
• **GPA: 3.847/4.0**, Dean's List, and UCI Inclusive Excellence Study Abroad Award – University of Cambridge

## SKILLS

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**Development:** Python, C++, C, Java, React, JavaScript, MySQL, R, HTML/CSS  
**Libraries:** PyTorch, spaCy, pandas, NumPy, Matplotlib, Scikit-learn, BeautifulSoup  
**Software & Tools:** Azure SQL Database, Power BI, Audacity Software, Adobe Photoshop, and MS Office  
**Forage Certifications:** Cognizant Artificial Intelligence, and JP Morgan Software Engineering

## HIGHLIGHTED PROJECTS

### AutoCite

Web application using React and Flask that generates citations in various styles (APA, MLA, Harvard) from URLs and maintains a log of citations and quotes. Implemented content similarity sorting using TF-IDF and cosine similarity. Utilized libraries such as citeproc-py, pybtex, requests, and BeautifulSoup for metadata extraction and citation generation.

### UCI Geo-Game – UCI WebJam Hackathon Winner

Web application developed with team using React and Heroku that secured first place at UCI WebJam Hackathon. The interactive game challenges players to identify specific locations within Irvine using data from Google Maps under a time constraint and with clues given.

## EXPERIENCE

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**Cambridge LLM x Law Hackathon**, *Lead Co-organizer* Oct '23 – Present

- Bringing Stanford CodeX's first expansion of their LLM x Law Hackathon to the University of Cambridge
- Managing +10 student volunteers and 3 committees across tech, marketing, and design
- Liaising with Cambridge's King's Entrepreneurship Lab, Stanford CodeX, sponsors, and other institutions
- Raising 50k+ from sponsors including Google Cloud, AWS, Groq, Clifford Chance, Mistral, etc.

**Hackbridge**, *AI Algorithms Portfolio Developer* Feb '24 – Apr '24

- Developed an NLP pipeline based on financial news data to support trades for 300k Scotiabank portfolio
- Creating real-time **Python** financial systems using **pandas**, **NumPy**, **Matplotlib**, **PyTorch**, **yfinance** and **SQL**

**Dolby Laboratories, Sunnyvale, CA**, *Intern – Software/QA* Sept '21 – Dec '21

- Developed SDK tools using Python, optimizing for hardware efficiency and vision standard compatibility
- Conducted manual and scripted tests for ecosystem compatibility and performance upon client feedback
- Converted legacy database into updated model for enhanced organization, scalability, and reliability

## EXTRACURRICULARS

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**University of Cambridge i-Teams**, *Innovations Student Consultant – Innovations* Oct '23 – Dec '23

- Selected for student team to commercialize Cambridge-Oxford developed AI-powered robotics sensors
- Identified key applications by conducting industry interviews and analyzing market research
- Presented strategic opportunities and fostered key CEO-client connections for expansion into new markets

## OTHER INVOLVEMENTS

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Cambridge Student Investment Fund, Technology Analyst (6 months); **UC Irvine Python Course Learning Assistant/Lab Tutor (2 years)**; UCI Student Government Academic Affairs Committee Head (2 years)