

Pallavi Shankar

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EDUCATION

Northeastern University

Khoury College of Computer and Information Science

Candidate for a Bachelor's in Computer Science and Cognitive Psychology

Boston, MA

Expected Graduation May 2027

GPA 3.95/4.0

Relevant Courses: Fundamentals of Computer Science 1 & 2, Discrete Structures, Database Design, Cognition, Technology & Human Values

Activities: Dean's List, Women in Tech, NURobotics, Artificial Intelligence Club, Study Abroad at American College of Thessaloniki

TECHNICAL KNOWLEDGE

Programming Languages: Java, Python, SQL, HTML, CSS, Racket

Frameworks, Tools & Applications: Flask, Streamlit, Git, Docker, Mockaroo, Excel, SPSS Statistics, Datagrip, Figma

PROJECTS

Co-Connect

Nov 2024 - Present

- Collaborated with team of 6 to develop data-driven web platform to enhance co-op search for students, employers and advisors
- Utilized SQL for data management, Python Flask for backend API, and Streamlit for front-end interface to support engagement
- Developed and tested RESTful API with 8 endpoints to facilitate data flow between front-end and back-end
- Increased user engagement by 30% in testing phase with dynamic feed customizations, discussion boards, and personalized profiles

Concentration Card Game

Nov 2024

- Designed and implemented a Concentration card-matching game in Java incorporating user-friendly graphical user interface (GUI)
- Built smooth interactive gameplay mechanics for up to 26 cards per game with real-time feedback on matches and mismatches
- Designed responsive GUI that adjusts and updates card interactions across screen sizes, achieving 100% cross-device functionality

PurePitch Sports

Oct 2024

- Collaborated with a team of 10+ individuals over two-week period to create a start-up that solved an environmental issue
- Took leading role in helping to organize and facilitate meeting times and divide work responsibilities within the group
- Created business plan and 60-minute presentation to 30+ judges including business structure, financials, marketing, supply chain, etc.
- Conducted in depth market research to build out targetable market size using TAM-SAM-SOM framework and analyzed supply chain through research on sustainable practices to ensure all materials and business operations were compliant with mission statement

EXPERIENCE

Almare Gelato

Pleasanton, CA

Seasonal Store Associate

Sep 2022 – Sep 2024

- Balanced serving gelato and coffee to 50+ customers while managing inventory stock, store cleanliness, and customer engagement
- Collaborated with managers to brainstorm new flavors aimed to attract untapped markets and to expand customer interest and loyalty
- Developed sales skills by formulating effective strategies to promote flavors and larger sizes through customer engagement

Kumon

Concord, CA

Math and Reading Tutor

Apr 2024 – Sep 2024

- Formulated several individualized instruction strategies to match 10+ students with different personalities and learning styles
- Shaped strong relationships with 20+ parents and students to address areas of weakness ensuring targeted and effective instruction
- Utilized positive reinforcement and motivational strategies to boost students' confidence and foster a love for learning

Amador Valley DECA

Pleasanton, CA

Co-President

May 2022 – May 2023

- Led competitive development of 12 officers and 70+ member chapter by organizing weekly meetings and biweekly officer meetings
- Monitored \$20,000 budget for regional, state, and international conference by allocating resources to forecasted events in the school year
- Organized fundraisers and mock competitions with local schools to create local community and bring members' hands-on experience
- Recognized as Top 10 in both RMS Roleplay at DECA ICDC 2023 in Orlando, FL and DECA ICDC 2022 in Atlanta, GA

YAPA Kids

Remote

Science Program Lead + Teacher

Feb 2022 – Feb 2023

- Oversaw 20+ science classes of 5-10 students by managing administrative tasks such as attendance spreadsheets and student waitlists
- Demonstrated adaptive communication skills by meeting with parents, students, and the YAPA executive board in bi-weekly meetings
- Engaged in curriculum development by creating 30 chemistry focused slideshows to create a chemistry focused class for next year

Polygence

Remote

Researcher

Jun 2022 – Sep 2022

- Conducted comprehensive literature review on how Westernization impacted eating disorders and body image among Fijian women
- Engaged in meta-analysis and academic writing to interpret research findings and identify trends and patterns from 15+ research papers
- Coordinated with mentors and other researchers to address methodologies and improve quality and relevance of the study's findings

INTERESTS

Interests: Lifting, Autobiographies, Hip Hop and R&B Music, Concerts, Cheese, Pokémon, Animal Crossing, Tetris, Violin, Sudoku