ANANTH ROY

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EDUCATION

California State University, Northridge, B.S., Computer Science   Aug 2021-Dec 2025
- **Cumulative GPA:** 3.97/4.0
- **Relevant Coursework:** Intro to Algorithms, Advanced Data Structures, Computer Architecture & Assembly, Computer Organization, Calculus II, Google Gen-AI Fundamentals
- **Awards/Honors:** General Education Honors Program, Dean's List (three semesters)
- **Activities:** CSUN Software Developer Club (Executive Board)

EXPERIENCE

Technology Student Assistant   Northridge, CA
CSUN Academic Resources & Planning   May 2023-Present
- Diagnose and fix technical issues that CSUN administrative employees encounter
- Conduct imaging of new computers and set up of new printers
- Utilized remote connection software to assist work from home employees facing technology issues

Tax Preparer   Northridge, CA
CSUN Volunteer Income Tax Assistance Clinic   Jan 2022-Apr 2022
- Prepared 40+ individual income tax returns for low-income taxpayers in the community
- Certified as a volunteer tax return preparer through an IRS-administered examination

TECHNICAL SKILLS

- **Languages**: JavaScript, TypeScript, HTML, CSS, Java, MIPS, Python
- **Frameworks**: ReactJS, Express, Tailwind CSS, PyTorch
- **Technologies**: Node.js, MongoDB, webpack, Git, Firebase, Chakra UI, Microsoft Office

PROJECTS

Snake Game AI   July 2023
Pygame, PyTorch
- Developed and tested a classic implementation of the Snake game using Pygame
- Created an agent connected to the model and game that allows for automated moves and rewards for model training
- Applied reinforcement training with PyTorch's Deep-Q learning network to predict moves and used matplotlib to plot score against games played
- Achieved a high score of 56 in 100 games, improving by 44% versus scores halfway

AniChat   Dec 2022
ReactJS, Tailwind CSS, Firebase
- A real time chat app where users around the world can discuss their favorite anime
- Built a frontend using React, Tailwind CSS and Chakra UI to create an attractive user interface
- Implemented React useContext and useReducer hooks to update state based on user interactions and to pass props down to child components
- Utilized Firebase authentication to authenticate users, and Firestore to store user data and update the frontend in real time