Santript Sharma

400 McCutcheon Dr.   West Lafayette, IN 47906   (408) 373-5480   sharm538@purdue.edu

EDUCATION

B.S. Computer Science, Purdue University - West Lafayette, IN   (2021-2025)

GPA: 3.83

- ❖ Dean's List & Semester Honors

OBJECTIVE

I am a highly motivated undergraduate student with strong analytical and problem-solving skills seeking a software internship position during the summer of 2022.

SKILLS

C++ | Java | Javascript | Python | SQL | OpenCV | AI/ML | Tensorflow | Computer Vision | Keras | Pytorch | Docker | AWS | Nodejs | Flask | Git | Business Communication & Marketing | Ability to quickly learn new technologies | Team-player with the ability to work effectively and efficiently with others | Self-starter with a strong sense of self-motivation

WORK EXPERIENCE

KONECT - RETAIL ANALYTICS - San Jose, CA   (2021 Jan - 2021 Nov)

- ❖ Developed ML-powered software to provide retailers with customer profiles & tools to boost sales
- ❖ Interacted with 20+ customers (AT&T, Axis Communications, other retailers)
- ❖ Offered a pilot program at First Baptist Church Mexia, Texas to validate the value and write a case study
- ❖ Tested on 10+ public cameras worldwide (New York, Dublin, Galatsi, etc.) with 90%+ accuracy

KONECT - COVID-19 APPLICATION - Southlake, TX   (2020 Mar - 2021 Feb)

- ❖ Created user-friendly application that displayed real-time social distancing & mask-covering analytics for re-opening businesses and local governments
- ❖ Partnered with Axis Communications to incorporate the software into newly developed network cameras
- ❖ Held 100+ meetings with universities and Fortune 500 companies (UCLA, UC Berkeley, IU, Bosch, UCs, etc.)

PROJECTS

PURDUE SIGAI CHESSBOT TEAM - West Lafayette, IN   (2021 Aug - Present)

- ❖ Using py-chess and pygame frameworks to develop a chess GUI with automated bot moves
- ❖ Presented our plan of comparing our bot's moves with stockfish's moves for validation to the SIGAI team
- ❖ Started a point system that assesses how good the bot's move was depending on pieces taken in the future and the opponent's moves

RATE MY VACATION - San Jose, CA   (2021 Jul - Present)

- ❖ Initiated an application aiming to ease the process of vacation planning through user reviews, photos, and ratings
- ❖ Included features such as recent posts, photo/video upload, and an interactive OpenStreetMap

❖ Utilized Nodejs and Flask for server-side requests, MySQL to store user reviews, and AWS EC2 instances to access the MySQL server remotely

NEURAL NETWORK PRUNING - San Jose, CA   (2021 Jan - Present)
- ❖ Revised 15+ research papers explaining the process of pruning neurons in a neural network
- ❖ Understood the underlying processes of a neural network and how to create one using Python
- ❖ Brainstormed ideas for pruning neural networks more efficiently in a team of 5

SPLIT-VIDEO AUGMENTATION APPLICATION - Santa Clara, CA   (2020 Nov - 2021 Jun)
- ❖ Released an application to ease the process of racking up an image dataset for ML developers
- ❖ Devised various image augmentation methods to amplify the diversity of an image dataset (embossment, color deformation, etc)
- ❖ Showcased application in front of 200+ students and software developers

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AWARDS
- ❖ Hack-A-Vertical AI Startup Competition - 3rd place (2020)
- ❖ Stanford & Berkeley National Science Foundation I-Corps Completion (2020)
- ❖ University of California Office of the President AI Pitch Acceptance (2020)
- ❖ President's Volunteer Service Award - Gold (2020)
- ❖ President's Volunteer Service Award - Silver (2019)