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LA/Bay Area | Open to Relocation

Impana Chimmalagi

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EDUCATION

University of California, Los Angeles   **Los Angeles, CA**
B.S. in Computer Science, Applied Mathematics Double Major   Sep 2022 – Jun 2026
- **Academics**: Cumulative GPA: 3.72/4.0 | **Relevant Coursework**: Algorithms, Software Construction, Intro to Machine Learning, Operating Systems, Probability & Statistics, Stochastic Processes, Applied Numerical Methods, Linear Algebra, Computer Architecture.
- **Achievements/Programs**: Dean's Honors, Santa Clara Council & Mayor STEM Recognition (2x), Explore: PWC Program, Women in Engineering @ UCLA's Leadership Academy, Two Sigma New Seekers Summit, UChicago Trading Competition Participant 2024

EXPERIENCE

The Postcard App   **Remote**
Incoming Full-stack Developer Intern   Aug 2024 – Oct 2024
- To implement secure in-app group messaging and contributing to other backend **(Firebase)** and overall full-stack **(Flutter)** operations.

Saguaro Capital Management, LLC.   **Phoenix, AZ**
Data Science Intern   Jun 2024 – Present
- Training & fine-tuning large-language models **(LLMs)** like **deBERTa** for fundamental company analysis & investment decisions.
- Extensively researched and implemented model quantization, analyzing metrics across various basline LLMs. Developed financial datasets, integrating analyst meeting audios with speech-to-text models used in company chatbot. Handled large databases.
- Directly involving and owning Data Science projects in machine learning and making open-source contributions by developing clean, performant code. Focusing on modern NLP techniques and time series analysis to propel equity research process.
- Completed intensive 1-wk training program on basics of the hedge fund: financial and company analysis, economic moats, stock pitches.

igniteXL Ventures – *AI-Powered Venture Capital Deal Sourcing Extern*   Sep 2023 – Oct 2023

Anastasiu Lab, Santa Clara University   **Santa Clara, CA**
Undergraduate Student Researcher - Computer Vision   Jun 2023 – Aug 2023
- Assisted in creating a real-time object DTC(detection-tracking-counting) system using convolutional neural networks **(CNNs)**, image processing, and novel augmentation methods for a vehicle counting project aimed at entering in the 2024 Nvidia AI City Challenge.
- Used **PyTorch** to train and evaluate **DeepSORT** and **YOLOv8** computer vision models; collaborated with a multidisciplinary team to develop and analyze results using metrics like the S-1 score. Analyzed 40+ cutting-edge research papers in an extensive literature review.

Advanced Linear Devices, Inc. – *Semiconductor Intern and Testing Operator*   Jul 2022 – Sep 2022
Mathnasium, Inc. – *Mathematics Instructor*   Sep 2019 – May 2022

SKILLS

Programming Languages [C++, Python, Java, SQL] | ***Web Development*** [MERN, HTML, JavaScript] | ***AI/ML*** [PyTorch, scikit-learn, TensorFlow] | ***Data Analysis*** [Numpy, Pandas, Polars] | ***Experience with*** [Git, Anaconda, Linux, C, Lisp, Bash, Excel, Figma, LaTeX].

PROJECTS

- **cafFIEND**   *Winter 2024*
  - Developed backend architecture for Yelp-inspired coffee shop rating website utilizing **MERN** stack for seamless data management and user interaction. Integrated backend system with basic frontend React skeleton, establishing a pre-UI/UX foundation.
  - Implemented RESTful API endpoints for vital functionalities: user authentication, coffee shop data retrieval, and review postings.
- **Evening with Industry Website** (serves ~40 companies and 300 students annually)   *Summer 2023-Winter 2024*
- **Quora Question Sentiment Analysis**   *Spring 2023*
  - Performed sentiment analysis to classify "insincere" vs. "sincere" Quora questions using LSTM network. Developed & trained **NLP** program with **PyTorch**. Learned AI/ML fundamentals (CNNs, RNNs, dropout, etc.) to effectively train models on various datasets.
- **SafeHavenBot**: Predicting & preventing drastic action by processing heart rate/behaviors, utilizing innovative AI methods   *2019-2020*

EXTRACURRICULARS & LEADERSHIP

Society of Women Engineers (SWE)   **Los Angeles, CA**
Event Website Manager, WebDev Committee Co-Head   May 2023 – Present
- Developed GS stable matching algorithms for (1) student mentorship to new admits and (2) EWI company rep-student tables.
- Responsible for creating & maintaining SWE flagship event websites like EWI, EPIC (Engineers for Professional Inclusion), etc.
- Spearheaded multiple professional development workshops, including a notable collaboration with AWS cloud computing for a 2-day YouthTech bootcamp. Helped organize the largest student-run engineering networking night at UCLA, Evening with Industry (EWI).

KodeKore   **Remote**
Founder & Lead Instructor   Mar 2020 – Aug 2022
- Created a beginner Python course for elementary and middle schoolers. Recruited and directed new instructors, created website and other promotions. Led national, international, coed and girls-only (to increase STEM involvement) workshops for over 100 students.

Bruin Value Investing *(Associate)* | **Bruin Traders** *(Data Science Committee)* | **DataRes at UCLA** *(DataBlog Author)* | **Google Developer Student Clubs** *(Technical Lead)*