

# Dhruv Jain

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*UCLA grad seeking full-time opportunities in IT, solutions engineering, software development, and product management.*

## Education

### University of California, Los Angeles

BS IN COMPUTER ENGINEERING (GPA: 3.74/4.0)

Los Angeles, CA

Jun 2024

## Experience

### Unique Wealth Strategies

SYSTEMS ANALYST

Chicago, IL

Sep 2024 – Present

- Manage IT and cybersecurity services for a team of 10 users
- Configured and customized Salesforce as a CRM to suit the unique needs of the financial services firm
- Revamped backup solutions and implemented regular testing to protect the company's secure data

### ENGR 96I - Internet of Things

UNDERGRADUATE GROUP TUTOR

Los Angeles, CA

Jul 2023 – Jun 2024

- Collaborated with Dr. William Kaiser to enhance course content for 70 EE undergrads
- Used an STMicroelectronics educational platform to rigorously test and improve course material, ensuring its relevance
- Proactively assisted in lab sections, providing personalized guidance for improved academic performance
- Streamlined learning with 8 informative LaTeX tutorial PDFs, improving comprehension and academic progress

### Veridic Solutions

PYTHON DEVELOPMENT INTERN

Los Angeles, CA

Jun 2023 – Sep 2023

- Integrated comprehensive logging mechanisms into diverse data scraper frameworks, saving 2+ hours a day
- Configured automated data retrieval scripts using AWS, ensuring up-to-date datasets for critical operations
- Designed an intuitive visual dashboard with Python and Loggly, enabling comparison of key metrics across scrapers, enhancing data-driven strategies

### Tavant

MACHINE LEARNING INTERN

Noida, India

Jul 2023 – Aug 2022

- Implemented data preprocessing, addressing missing values and outliers for large 400,000+ row datasets
- Researched NBA workflows in the SaaS industry, analyzing methodologies and best practices
- Developed NBA algorithms using Deep Learning and Reinforcement Learning techniques
- Created a presentation on NBA workflows for future company use in training new hires

### Library Assistant Supervisor

UCLA LIBRARY

Los Angeles, CA

Apr 2022 – Jun 2024

- Engaged with patrons, addressing diverse queries and enhancing satisfaction, averaging 50+ interactions daily
- Organized a 300,000+ item collection using Library of Congress classification, improving search capabilities
- Developed a standardized book processing workflow, increasing efficiency and reducing delays
- Improved office productivity by maintaining accurate records and managing a student team

## Projects

### Mouse Mover

COMPUTER INTERFACE PROTOTYPE

Demo

[youtu.be/OnOPmhkEuQk](https://youtu.be/OnOPmhkEuQk)

- Developed a gesture-controlled mouse with machine learning for enhanced accessibility
- Implemented algorithms enabling seamless navigation for users with limited mobility, showcasing proficiency in HCI and inclusive design

### MixBot

AUTOMATED BARTENDER

- Developed and implemented a web-controlled automated bartender system, utilizing precision dispensing mechanisms and IoT technology for customized drink orders
- Demonstrated proficiency in networked solutions, and embedded systems and integration

### FPGA Drummer

PROGRAMMABLE DRUM MACHINE

Demo

[youtu.be/pJIF3Tshsb0](https://youtu.be/pJIF3Tshsb0)

- Programmed a 4-track drum machine on a Digilent FPGA using Verilog for low-latency, real-time music production
- Demonstrated proficiency in hardware design, FPGA programming, and audio signal processing