

Manjot Singh

Manjos2@uci.edu
916-473-3277

UCI Regents Scholar
<https://github.com/ManjotSingh18>

Education:

University of California Irvine | Graduating class of 2025

B.S in Computer Science specializing in Intelligent Systems | GPA 3.5

Technical Skills:

Python | Pytorch, Django, Selenium, Tkinter,
Requests, Sockets, Xlsx
Rest APIs | Utilized a variety of APIs and
tailored custom requests using Postman
Data Scraping | Harvested data with Selenium
and BeautifulSoup
HTML, CSS, JS | Designed web pages for
projects

C++ | Developed text editors, and redesigned
data structures
Cybersecurity | CompTIA Security+ and
Platinum tier finisher in CyberPatriot
Java | Foundational knowledge
Machine Learning | Trained models to recognize
vehicles on ResNet50 and VGG-16
Diagnostics | MemTest86, CrystalDiskMark

Personal Projects:

Grosearch (Python, Selenium, Flask, HTML, CSS, JS, Rest APIs, Postman)

An application with a singular search that encompasses several grocers and displays products side-by-side for convenient comparison

- Reduces amount of time, tabs, and clutter needed when comparing products across retailers
- Automatically sorts by lowest price focusing on users who prioritize budgeting
- Scalable design to add retailers for a wider search

CarTelligence (Python, Pytorch, Django, HTML, CSS)

An application for classifying vehicles by make, model, and year via a machine learning model trained on the Stanford Car Dataset.

- Trained ResNet-50 model to identify 196+ classes of vehicles via images to satisfy user curiosity
- Result is swiftly showcased on an intuitive webpage for both mobile and desktop devices

Medisee (Python, Tkinter, FDA API)

A program based around improving the transparency of medication and their adverse effects by providing cases for analysis.

- Visualize hundreds of cases showcasing adverse effects of specific medications and combinations of medications from FDA API helping improve accessibility to information
- Seamless filtering available for users to specify parameters to match cases to their own preferences

Walmartify (Python, Postman, Eclipse, TomTom API, XLSXwriter, Postman)

An application that collects data from Walmart locations within proximity to users, and displays prices of products within a spreadsheet for comparison of prices and inventory

- Saves time, and resources on collection of data not requiring several searches
- Geocoding returns results tailored towards the users who seek to collect data by proximity
- Makes data comparison minimalistic and simplified by compressing product pages into sheets

Awards:

Antrepreneur Mental Health Hackathon

Won \$1000 for ZotMe, an application that would remove toxic features from social media to improve mental health.

CompTIA Security+ Certification

A certification covering network security, threat assessment, risk management, and protocol compliance.

CyberPatriot Platinum Tier

Secured compromised machines within competition by implementing enterprise protocols, and settings while removing threats such as viruses, and files not within company compliance.