HARSH MODI

■Incoming SDE Intern at Amazon (Summer 2022) | Looking for Fall 2022 SDE Co-Ops■

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EDUCATION

Master of Science in Computer Science, University of Southern California, Los Angeles - **GPA: 4.0/4.0**   **Exp. Dec 2022**

Bachelor of Engineering in Computer Science, Nagpur University, India   **May 2019**

TECHNICAL SKILLS

- Programming Languages: Java, Python
- Web Technologies: Django, Flask, Node.js, HTML5, CSS3, JavaScript, jQuery, ReactJS, AWS EC2, Google Cloud, REST APIs
- Database: MySQL, SQLite
- Tools and Applications: Oracle EBS Suite, Android Studio, Git, Jira, Tableau, Unity3D

PROFESSIONAL EXPERIENCE

Full Stack Web Developer Intern - USC School of Pharmacy, Los Angeles, CA   **Apr 2021 - Present**

Technologies - Python, Django, MySQL, HTML5, CSS3, Bootstrap, JavaScript, jQuery, AJAX

- Directing various aspects of planning, designing, and feature development using agile project methodologies
- Remodeled and implemented versioning system within website database structure to increase scalability
- Provided legacy database compatible solutions to complex and time-sensitive problems improving end-user experience

Full Stack Web Developer - Sabertooth Technologies, Nagpur, India   **Sep 2019 - May 2020**

Technologies - HTML5, CSS3, Bootstrap, JavaScript, AJAX, ReactJS, Python, Django, JS Libraries (particle.js, amCharts.js), AWS EC2

- Developed company website from scratch attracting 5 new clients within first month of deployment (sabertoothtech.in)
- Revamped frontend for a College Management System web application product reducing loading speed time by 50%
- Collaborated with development team of a client to build requirements for ERP system using Django and JavaScript

Information Technology Intern - GE Appliances, Bangalore, India   **Jan 2019 - June 2019**

Technologies - SQL, Oracle APCC, Oracle ASCP, Oracle Demantra, JIRA, Service Now, Git

- Ensured Value Chain Planning daily cycle Service Level Agreements (SLA) are met 99% of time with swift error handling
- Performed monitoring enhancements using SQL reducing 14 false alerts/week saving 5 man-hours/week
- Performed Performance Testing and Regression Testing for VCP Platform Upgrade leading to 5 critical bug discoveries
- Built new SOPs increasing the efficiency of the team and reducing time spent doing manual work by 35%

PROJECTS

AlumNextDoor - Python, Django, JavaScript, HTML5, CSS3, Bootstrap - alumnextdoor.com

- Co-Founded and single-handedly developed a web platform to help MBA/MS college applicants connect with alumni from their dream colleges for college application assistance
- Onboarded 40+ alumni from top-ranked schools and helped 100+ applicants get assistance

Stock Market Evaluator - Alpha Vantage API, amCharts.js, HTML5, CSS3, JavaScript - https://stockinformation.netlify.app/

- Architected and built a web tool that shows stock related statistics for companies in the stock market
- Utilized Alpha Vantage API to fetch real-time stock statistics and populate them into tables and charts using amCharts.js

MedPharm - Java, SQL, XML, Google Firebase, Android Studio

- Led a team of 4 students to build an android app that allows doctors to create/send a digital prescription to patients and helps patients find nearest pharmacy with prescribed medicines available by database and Google Maps API integration
- Improved patient knowledge through articles and generic drug alternatives by integrating trusted online databases

Others - Event and Task Manager (dailytaskmanager.herokuapp.com), **Wikipedia Donation Calculator** (fair-donation.com)

RESEARCH

"Classification of Facial Images into Adult or Minor Categories using Facial Features"

International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-8 Issue-10, August 2019

- Led a team of 4 students to develop software that classifies humans into two categories – 'Adults' and 'Minors' to provide controlled access to content based on age of a person for security and surveillance
- Implemented contrast correction, noise removal, and facial feature extraction using median filtering technique and Cascade Object Detector and achieved a 95% accuracy using the SVM classifier