HARSH MODI

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EDUCATION

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

Bachelor of Engineering in Computer Science   **May 2019**
Ramdeobaba College of Engineering and Management, Nagpur, India   **GPA: 8.8/10.0**

TECHNICAL SKILLS

- Programming Languages: Java, Python
- Web Technologies: Django, HTML5, CSS3, Bootstrap, JavaScript, jQuery, AJAX, ReactJS, AWS EC2
- Database: MySQL, SQLite
- Tools and Applications: Oracle EBS Suite, Android Studio, Git, Jira

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PROFESSIONAL EXPERIENCE

Full Stack Web Developer - Student Worker - USC School of Pharmacy, Los Angeles, CA   **April 2021 - Present**
Technologies - Python, Django, HTML5, CSS3, Bootstrap, JavaScript, AJAX
- Working on building new features and improving existing ones for AARDVARC - a web-based software used for curricular and programmatic assessment
- Developed feedback forms which is helping development team to improve product quality based on 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 end-to-end which attracted **5 new clients** within the first month (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 JavaScript

Information Technology Intern - GE Appliances, Bangalore, India   **Jan 2019 - Jun 2019**
Technologies - SQL, Oracle APCC, Oracle ASCP, Oracle Demantra, JIRA, Service Now, Git
- Ensured Value Chain Planning Daily Cycle **SLAs are met 99% of time** with swift error handling
- Performed monitoring enhancements using SQL that **reduced 14 false alerts/week saving 5 man-hours hrs/week**
- Performed **Performance Testing and Regression Testing** as a part of the VCP Application Platform Upgrade
- Built new SOPs which increased the efficiency of the team and **reduced the time spent doing manual work by 35%**

PROJECTS

AlumNextDoor - HTML5, CSS3, Bootstrap4, JavaScript, Django, Python - alumnextdoor.com
- Co-Founded and single handedly built a web platform aiming at helping applicants of MS and MBA programs by connecting them to alumni from their dream schools
- Onboarded 60+ alumni from top-ranked schools working in top MNCs

Stock Market Evaluator - Alpha Vantage API, amCharts.js, HTML5, CSS3, Bootstrap4, JavaScript, Tableau - everythingsnp.com
- Built a web tool that shows stock related statistics for companies in stock market
- Used Alpha Vantage API to fetch statistics and populate them into tables and charts for a particular company

MedPharm - Java, SQL, XML, Google Firebase, Android Studio
- Built an android app to link doctor, patient, and pharmacy
- Doctor can create/send a digital prescription, patients can find nearest pharmacy with prescribed medicines available
- Users are given access to various health-related articles and generic drug alternatives for prescribed medicines

Facial Analysis and Classification Expert - MATLAB, SVM Classifier
- Developed software that classifies humans into two categories – 'Adults' and 'Minors' to provide controlled access to content based on age of person for security and surveillance
- Facial features (distance between eyes, nose, and mouth) and SVM classifier used for classification
- If classification category 'Adult' – Access Granted else if classification category 'Minor' – Password Prompt to gain access

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