

HARSH MODI

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EDUCATION

Master of Science in Computer Science

University of Southern California, Los Angeles, California

Exp. Dec 2022

GPA : 4.0/4.0

Bachelor of Engineering in Computer Science

Ramdeobaba College of Engineering and Management, Nagpur, India

May 2019

GPA: 8.8/10.0

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 modules and improving existing ones for a web-based software using Django, HTML, CSS, JS
- Developed feedback form feature 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 from scratch 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/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%
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PROJECTS

AlumNextDoor - HTML5, CSS3, Bootstrap4, JavaScript, Django, Python - alumnextdoor.com

- Co-Founded and built a web platform which connects MS/MBA college applicants with alumni from various schools
- Platform allows users to search and send requests to alumni for college application assistance
- Onboarded 60+ alumni from top-ranked schools working in top MNCs

Stock Market Evaluator - Alpha Vantage API, amCharts.js, HTML5, CSS3, Bootstrap4, JavaScript, Tableau - everythingssnp.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 using amCharts.js

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

- Led a team of 4 to build an android app that links a doctor, patient, and pharmacy
- App 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
- Users have access to health-related articles and generic drug alternatives for prescribed medicines inside the app

Facial Analysis and Classification Expert - MATLAB, SVM Classifier

- Led a team of 4 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
- Facial features (distance between eyes, nose, and mouth) and SVM classifier used for classification at a 95% accuracy
- 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)

TECHNICAL SKILLS

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