




Dip Pansuriya.

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EDUCATION

Masters in Computer Science – University of Southern California

Expected - December 2017

B. Tech in Computer Engineering – Ganpat University (GPA: 3.9/4.0)

May-2014

SKILLS

Programming and Databases:

Java, Python, C#, ASP.NET, C, HTML, CSS, Java Script, JQuery, PHP, JSON, XML, Android, MS SQL, NoSQL, MATLAB

Development Tools & others:

Linux, Windows, Socket Programming, Amazon Web Services, Apache Web Services, Net Beans, Eclipse, Android Studio.

Online Judge Public Profile: https://leetcode.com/dip_pansuriya/

WORK EXPERIENCE

- **Research Assistant, Indian Space Research Organisation, Ahmedabad, India** **June 2014 - October 2015**
 - Designed and implemented an image enhancement tool for Mars Mission. Used Logarithmic Transformations, Spatial and Frequency domain methods, Laplacian and Median filtering algorithms for implementing functionalities like noise removal, enhance gray scale images and image cropping.
- **Full Stack Developer, Excelsior Technologies, Ahmedabad, India.** **June 2014 - October 2015**
 - Worked on the HR MAGIC Product for implementing modules like employee profile, leave and attendance management, employee increment and work detail management.
- **Engineering Project Trainee, Physical Research Laboratory, Ahmedabad, India.** **January 2014 – May 2014**
 - Successfully installed a WRF-CHEM Model on High Performance Cluster computing. Ran different simulations and benchmarks for testing performance and plotted different contour of simulations using MATLAB.
- **Software Development Intern, iFlame Technologies, Ahmedabad, India.** **January 2014 – May 2014**
 - Developed anonymous chat application with features like clickable links, emoji's and the chat history which could be exported as a text file for storage.

PUBLICATION

- **Simulation and Concentration of Carbon Monoxide and Ozone for Kedarnath in WRF-CHEM Model on High Performance Computing Cluster** in International Journal of Scientific Engineering and Technology Research. **June – 2014**

ACADEMIC PROJECTS

- **Stock Market Search Boot Strap Web Application and Android Application (USC)** **April 2016**
 - Implemented responsive Web Application for Company's current Stock Market details, history and newsfeed. Implemented Facebook share feature and used local storage for bookmark facility. Back-end PHP Script was hosted on Amazon Web Services and the JSON data was served using Market On Demand API.
 - Developed an Android Application for mobile users with same functionality as Stock Market Search application.
- **Instiman – Ganpat University** **June- December 2013**
 - Designed and implemented an Enterprise Resource Planning (Black Board), which was a suite of modules specifically tailored to the requirements of education history that reduced time wastage and sped up administrative functions.
 - Worked on core functionalities like Student-Faculty Profile, Events management, Chat Application, Assignments turn in and Digital Library.
- **Train Tracking System for YAHOO! India. (YAHOO! Hackathon)** **June – December 2012**
 - Built a responsive web application for train travelers, which used PNR number to get the real time data about the next approaching train stations. Travelers can get information including ETA, weather forecast and emergency numbers.
- **Sudoku Puzzle (Ganpat University)** **November-2013**
 - Implemented GUI Based Sudoku Puzzle Game in JAVA platform using Applet. Performed Backtracking algorithm which iterates through all possible solutions and retrieves real time data.

ACHIEVEMENTS

- Oracle Certified Professional JAVA SE 6 Programmer [OCPJ] with 96% on October 2013.
- Secured placed in top 24 developers in Yahoo! Hack the India Event, 2013.
- Scholarship awarded by Ganpat University – secured place in top three ranking students.