Chetan Kasireddy

Curriculum Vitae

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Education

2018–present	**Masters in Computer Information and Science**, *SUNY - Stony Brook University*, Stony Brook, New York, *CGPA – .*
2012–2016	**B.Tech in Computer Science and Engineering**, *International Institute of Information Technology*, Hyderabad, *CGPA – 8.21*.
2010–2012	**Senior Secondary**, *Vijaya Ratna Junior College*, *Hyderabad*, 94.6%.
2008–2010	**Secondary**, *Sanghamitra School*, hyderabad, *91.2%*.

Work Experience

April'18-July'18	**Senior Software Engineer**, PRACTO TECHNOLOGIES PVT. LTD., Bangalore, India. Building Ordering module for Hospital Management System.
July'16-March'18	**Software Engineer**, PRACTO TECHNOLOGIES PVT. LTD., Bangalore, India. Working in Hospital Management System team. I was part of remodeling one of the core module(Registration) in the enterprise application.
May'15-July'15	**Summer Intern** , PRACTO TECHNOLOGIES PVT. LTD., Bangalore, India. Developed Access-gateway ,a web application which helps in automating the request of access to git–hub repositories, atlassian, Google Analytics.Developed Hire-ninja a web application to help the HR's to keep track of the recruitment.
Monsoon 2015	**Teaching Assistant**, Principles of Programming Language, IIIT Hyderabad.
2014-2015	**Research Assistant**, *Building Science Research Centre*, (BSRC), IIIT Hyderabad.
Monsoon 2014	**Teaching Assistant**, Computer Programming, IIIT Hyderabad.

Projects

Search Engine	Implemented a wikipedia search engine which supports field based queries using compression techniques, indexing and ranking algorithms.
Backgammon game	implemented a simple **backgammon game** which takes an input board configuration and outputs a better move. Various strategies were implemented using expectimax trees and some heuristics.
Predicting the Outcome of ODI Cricket Matches	Predicted the outcome of cricket matches based on supervised learning approach from a team composition perspective. Used individual players strength to model the team strength which is the base approach.
Language Processing	Developed a query answering system for a corpus of cricket data applying the concepts of First Order logic and also using synsets from nltk Wordnet interface to analyze the query
Unix Shell	Implemented a bash like **shell** in C, with I/O redirection, background process management and signal handling.

Face Recognition	Developed face recognition tool using the Principal Component Analysis for training data and calculating the Eigen faces and then using classifying the test data.
File Transfer using TCP	Goal of the project is to transfer file from server to client using TCP protocol. This also includes Error checking using hash values. Also includes simple remote procedures which can be invoked from terminal.
Database System	A replica of the database My Sql is made in C++ , which supports queries like insert , create , select that work in My Sql.
Surrogate City Finder	Goal of the project is to find a best suitable weather data file for a city from available weather based files based on latitude, longitude, altitude etc. Includes Data extraction from Wikipedia, Filtering Available weather files.The technical skills used are Ajax, Google Map API, Google Elevation API, JavaScript, python, PHP, My Sql. http://cityfinder.cbs.iiit.ac.in/finder/cityfinder/mainpage.html
Color object detection	The project is to detection of Red, Blue and Green color objects using signal processing in Mat lab.
Resume Builder	**Resume builder** is a web application using web2py, using which users can create, and modify their resumes/professional profiles. Further, a user can apply for companies registered in the application. Users can also download their resumes in pdf format with different templates . Companies can also search for registered users based on their qualities , skill set etc.

Technical skills

OS	LINUX,Windows
Programming Languages	C, C++,JAVA
Scripting Languages	BASH, PYTHON, PHP
Database	MY SQL, POSTGRESQL
Technologies	Spring, React, JavaScript, CSS, AJAX, HTML, J Query, Web2Py

Achievements

2013	Selected for Dean's list for academic excellence.
2012	Ranked 1240 in AIEEE
2012	Ranked 4720 in IIT-JEE
2016	Commendation Certificate for contribution towards sports activities in IIIT-H.

Publications

2015	Surrogate city finder - weather data tool. Vishal Garg, T.V.S Nikhil, Hema Rallapalli Aviruch Bhatia Jegibabu Subhash Chetan Kasireddy