

HARINATH KANCHU

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Education

B.tech Computer Science

Visvesvaraya National Institute Of Technology (NIT Nagpur)	2012 - 2016	8.06/10
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Class XII

Sri Chaitanya Junior College Vijayawada	2011 - 2012	93.9%
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Class X

Sri Chaitanya Techno School Vijayawada	2009 - 2010	91.5%
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Work Experience

Software Developer at CouponDunia (July 2016 - Present)

Price Comparison project

During online shopping one single product is mentioned in many different shopping websites with different prices. Listing all such prices of that product on same page and making the user select the least price is the main aim of Price Comparison project. Below are the modules of the project which I worked on.

We manage to get the data from our partner websites using affiliate programs in which they provide the data using apis.

- **Scheduler**

This module schedules the task of getting the data from various websites according to the business requirements. APIs of websites are used. This module sends requests to the web service which will fetch and clean the data using cleaner module and store the data in database.

- **Web service to scrape web pages**

Prices of products in API are stale. For continuously update the real time prices we fetch the web pages and extract the data. This module is implemented as webservice which will accept url in the request and fetch the webpage. The data in webpage is extracted using lxml in python and cleaned using regular expressions and populated in database.

- **Web Service for Data Matching**

This web service accepts the url in the request and fetch the similar products from database using various algorithms that suit the type of data we are matching. This is the core part of the project. The accuracy of the matching is the metric for the success of the project.

- **Deployment of code in server and writing scripts and crons**

Worked on code deployment in production server. Worked on performance analysis of the code. Worked on scripts and crons to restart the services after reboot of machine and to backup the database.

Technologies used : Python, Docker, MySQL(DB), Linux (OS)

Python Modules used: requests, pandas, numpy, stem, splash, torndb, tornado, lxml

Software Intern At MAQ Software, Hyderabad (May 2015 - July 2015)

Data Integrity tester

Need to test the integrity and correctness of the data by writing SQL stored procedures, test cases and using pivot tables in excel. The results generated from developers should match with the reports generated by pivot tables.

Technologies used : SQL, Pivot Table in Excel and VB script

Major Projects

Android Project under Shital A. Raut Prof. CSE VNIT (Jan 2016 – Apr 2016)

Created an Android app in which users can form groups and can track each other based on GPS location. User can also find working people like electricians, carpenters etc based on GPS location and availability of working people. Hosted the project on heroku server for global access.

Technologies used : Python (Django server), Android SDK and Java (for app development), SQLite(DB)

Local search engine for text based documents(Nov 2015 – Jan 2016)

Indexing all the text based documents in the local computer, user can search for relevant document by entering the key words in the search bar

Technologies used : Java, SQLite (db)

Billing Software For Small Scale Business(Nov 2014 – Jan 2015)

Designed a desktop app using Java, which will organize the data of small scale business and can be used to generate bills in pdf format. User can also retrieve the previously generated bills for reference. Based on the requirement of serverless DB, SQLite has been selected as the database software to store data.

Technologies used : Java(app), SQLite(DB)

Web development using PHP(Nov 2013 – Jan 2014)

With the help and guidance from my seniors, I developed a basic website which will connect the research fellows and students in a university and creating a platform to express and communicate their ideas

Technologies used : Apache Tomcat(web server), PHP (backend), MySQL (DB), CSS, HTML

Skills

- **Programming and DB Languages:** Python, Java, C, C++, PHP, Javascript, MySQL
- **Software Utilities:** Android, GIT, BASH, TOR, Docker, Redis
- **Python Libraries:** numpy, pandas, pil, stem, requests, lxml, scipy, matplotlib, torndb, tornado
- **Languages Known:** Telugu, Hindi, English

Workshops & Training

- **Ethical Hacking Workshop (by kyrion technologies at VNIT):** about hacking techniques, types of malware and tools used for hacking like olly debug, kon-boot etc, phishing, SQL injection, safety measures and precautions to avoid hacking
- **Cyber Eye Ethical Hacking Level I (by Cyber Eye labs at CR Rao AIMSCS):** tcp ip working, port scanning using nmap, cryptography techniques, steps and approaches in hacking, security methods to implement
- **Online training in ethical hacking :** Taking online training from cybrary.it and completed CompTIA Security+ course

Achievements & Position Of Responsibilities

- Got 75% concession on my education for my X XI and XII classes based on my performance.
- Got 1st prize in college online coding round and got cash prize as reward.
- My team got 12th position in ACM ICPC India Chennai Multi-Provincial National Programming Contest 2015.
- Joined as the mentor in iB Hubs global mentorship program to guide startups.
- Worked in AXIS, college fest 2015 as co-ordinator.

Hobbies & Interests

- Watching and playing Cricket
- Cooking
- Making educational videos on programming