SHREESHA S

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#010, "The Wood Rose Apartments",
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Objective

I am seeking to be part of a growing organization where there is an opportunity to take up challenges and utilize my abilities. I will strive hard to make an effective contribution towards growth of the organization by constantly enhancing my technical and interpersonal skills.

Skills

Python (Intermediate), Django (Basic), C (Basic), C++ (Basic).
Exposed to NativeScript, MySQL, PostgreSQL, Git, HTML, CSS, Javascript.

Education

PES Institute of Technology, Bangalore South Campus
Visvesvaraya Technological University
Bachelor of Engineering   August 2013 – Present
- Branch: Information Science and Engineering
- Aggregate Percentage: 63.39% (First 5 Semesters)

KLE Society's S Nijalingappa PU College
Karnataka State Pre-University Board
I - II PU   July 2011 – March 2013
- II PU (Class XII) Percentage: 75.5%

Presidency School, Nandini Layout
ICSE
Class I – X   June 2001 – March 2011
- Class X Percentage: 83.85%

Internships

Software Engineer Intern,   September 2015 – May 2016
Paradigm-Logic Technology Ventures Pvt. Ltd.   Mentor: Ashwin R
- Built a real time platform that aggregates and connects technical services providers to consumers through one touch mobile application.
- I was responsible for building the Service Provider App and the corresponding APIs.
- Used **NativeScript,** a cross-platform mobile development framework, to build the mobile application and **Python / Django** for the back-end.

Python / Django Intern,   January 2015 – January 2015
Saakshin Technologies Pvt. Ltd.   Mentor: Chinmayi S K
- Worked on an application that was designed to help make decisions about boarding a particular transit based on the ratings of the driver given by past travelers.
- Built the entire back-end of the Android application by writing RESTful APIs from scratch.
- Used **Python / Django** to build the APIs and PostgreSQL for the Database management.

Projects

Automated Detection and Removal of Ads in Audio Clips   April 2016

- Extracted critical features from radio recordings to classify the input samples into songs and advertisements using Support Vector Machines.
- Trained the SVM classifier with 20000 samples to classify test samples into two classes – Ad or Song. Additionally, wrote an algorithm to improve accuracy.
- Implemented in **Python** using libraries like pyAudioAnalysis, **scikit-learn**, pandas and NumPy.

Smart Move   October 2015

- Built a web (**Python / Django**) application to suggest the optimal locality for people looking for houses on rent based on frequently visited locations.
- Also listed the houses from *housing.com* and *commonfloor.com* in the suggested locality by querying the respective search portals' internal API.
- Integrated the Google Maps API, Google Distance Matrix API.

Automated Football Match Highlights Generator Engine   April 2015

- Built a classifier to automatically generate the highlights of a football match video by analyzing the text and speech commentary.
- Used Natural Language Processing techniques to determine the most important portions of the match to classify between highlights and non-highlights.
- Implemented in **Python** and Bash using tools like ffmpeg, avconv and mencoder to classify and thus slice the video at appropriate time segments.

VTU Results Analysis   February 2015

- Web-scraped the semester results of 2335 students of top VTU colleges from the official VTU results website.
- Used the data thus procured to plot insightful graphs comparing the results of various colleges and different branches of the same college.
- Implemented in **Python** using libraries like BeautifulSoup4 and Requests for web-scraping and Plotly API for plotting the graph.

Achievements

Qualified in the **Google Code Jam 2016** and was ranked 280 in India and **2818 globally** in Round 1A among 58520 participants from across the world.

Won the class **competition** for the project (Automated Detection and Removal of Ads in Audio Clips) done as part of **Pattern Recognition course**.

Runners-up at AYANA Hackathon 2015 held at PES University, Bangalore.

Completed the "Machine Learning" course offered by Stanford University on **Coursera**.

Awarded 'A' certificate and the rank of **Sergeant in NCC** (Air Wing).

Awarded '**Best All-Rounder**' in the outgoing batch of high school.

Served as the school **Student President** during class X and Student Vice-President during class IX.