SHREESHA S

Website: shreesha-s.github.io
Email: shreesha.suresh@gmail.com
Phone: (+91) 9663875790

#010, "The Wood Rose Apartments",
Thalaghattapura, Judicial Layout 2nd Phase,
Kanakapura Main Road,
Bengaluru – 560062.

Objective

To be part of a growing organization where there is an opportunity to take up challenges and utilize my abilities to solve complex problems. Will strive hard to make an effective contribution towards the 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

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

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

Class I – X — June 2001 – March 2011
Presidency School, Nandini Layout
ICSE
- 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.
- 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 scraping the data 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 organized by 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.