AKSHAT MAHESHWARI

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EXPERIENCE

Software Development Intern
OLA Cabs

📅 May 2019 – July 2019   📍 Bengaluru, India

- Worked on the automation of documents' digitization that required improvements in the image processing algorithms, and in-depth filtering and enhancement of images for better outputs.

Software Development Intern
Xlerate

📅 May 2018 – July 2018

- Worked with the Google Speech to Text and Speechmatics API for speech to text conversion of the audio files.
- Integrated the whole system with Azure storage and made asynchronous calls for storing the files and retrieving the urls.

Software Development Intern
DreamVu Inc.

📅 Aug 2017–Nov 2017   📍 Hyderabad, India

- Worked on the development of an SDK for VR video processing, and also developed a desktop-based platform for capturing, processing, streaming and rendering live VR videos captured by 360 degree camera.
- The adaptive streaming was to be done through RTMP server using Microsoft Azure cloud media services.

Teaching Assistant
IIIT Hyderabad

📅 August 2019 – Present   📍 Hyderabad, India

- Responsible for taking some lectures, setting up the assignments, checking papers and taking tutorials for the course of Advanced Computer Networks.

ACHIEVEMENTS

- Runner up in the OLA Hack Day Hackathon, and also awarded as the Youngest and most Dynamic team

SKILLS AND INTERESTS

C++ ● Python (Flask and Django Framework) ● JavaScript ● SQL ● HTML ● MATLAB ● JAVA(Basic)

Utilities – TensorFlow ● Keras ● Git ● Bash ● Linux

Interests – Data Structures & Algorithms, Operating Systems, Computer Networking and Security, Machine Learning, Natural Language Processing, Computer Vision

EDUCATION

IIIT - Hyderabad
B.Tech in CSE, CGPA – 8.01

📅 August 2016 – Present

COURSES TAKEN

- Statistical Methods in Artificial Intelligence
- NLP Applications
- Algorithm and Data Structures
- Operating Systems
- Database Systems
- Advanced Computer Networks
- Structured Systems Analysis and Design
- Software Quality Engineering

RESEARCH PROJECTS

Query-Focused Question-Answering and Summarization

- Working on the summarization of the answers on StackExchange, that will give you the summarized answer of the combination of all the relevant answers to a question based on its semantic correlation with the query.

PROJECTS

Emoji-Text Correlation

- Implemented various models in python for getting the most relevant emoticon for a given sentence using Sentiment Analysis and Classification models.

NER Detection in Code-Mixed Data

- Prepared multiple models in python for getting the Named-Entity-Recognition of words in Hindi-English code-mix sentences. The models were run on twitter data, which was scraped using twitterscraper api.

WhatsApp Cab Booking System

- OLA cab will be booked and details will be shared over Whatsapp for a user based on the location details given in the message (either text or voice) by the user.

C-Shell

- Implemented a Linux Shell as a part of the Operating Systems course assignment in C language with an interactive interface and features of forking, exec, signal management, error handling, basic shell commands, piping, redirection, etc.

Mini SQL Engine

- A SQL Engine that can perform basic functions like SELECT, WHERE, SUM, MAX, MIN, AVERAGE and JOIN.

Tic Tac Toe AI Bot

- Implemented a bot in python using minimax algorithm and alpha-beta pruning.

Proxy Server

- A basic proxy server with caching and multi-threading and also supports multiple users.