E-227, OBH, IIIT Hyderabad
India - 500032
℘ (+91) 8179674607
✉ akshat14714@gmail.com
🌐 akshat14714.github.io
 akshat14714
in akshat

Akshat Maheshwari

Education

2016–Present	**B.Tech in Computer Science and Engineering**, *International Institute of Information Technology, Hyderabad*. CGPA - 8.01/10 Graduation Expected May 2020
2014–2016	**Senior Secondary, CBSE**, *Mittal International School*, *Kota*. AISCEE: XII (CBSE) Percentage - 95.4%
2013-2014	**Secondary**, *Atomic Energy Central School No. 2*, *Rawatbhata*. CGPA - 10/10

Technical Skills

Languages	C, C++, Javascript, Bash, Python(Flask & Django Framework), Matlab(Basic), Ruby(Rails Framework), HTML5, CSS, Scheme(Racket), MIPS & BSV (Very Basic),
Technologies	MySQL, GNU/Linux, HTML/HTML5, OpenGL
Interests	Data Structures & Algorithms, Operating Systems, Computer Networks, Machine Learning, Language Processing

Experience

May-July 2018	**Xlerate**, , Software Developer Intern.. ○ Worked on the Google Speech to Text API and the Speechmatics Speech to Text API for speech to text conversion of the local audio files. ○ Integrated the whole system with the Azure storage and made asynchronous calls for storing the files and then retrieving the urls.
August-November 2017	**Dreamvu Inc.**, , Software Developer Intern.. ○ Worked on the development of an SDK for VR Video Processing as part of the SSAD course project. ○ Developed a desktop based platform for capturing, processing, streaming and rendering live VR videos captured by 360 degree camera. Adaptive streaming was to be done through RTMP server using Microsoft Azure cloud media services.

Projects

Tic-Tac-Toe AI Bot	AI agent for the bot was implemented using minimax algorithm and alpha beta pruning. ○ First hand Language : *Python*
C-Shell	Implemented a Linux Shell as a part of the Operating Systems course assignment. • Features of the project : *Interactive Interface, important features of forking, exec, signal management, error handling, basic shell commands, piping, redirection, etc.* • Language used : *C* • Platform : *Linux*

Quiz App Developed a basic quiz app in Ruby on Rails.
- Features : *allows user registration, app management by admin, allows user to play*

Viberr Developed a Django-based music application.
- Features : *Allows user to upload, store and play music on local server*
- Languages used : *Python (Django framework)*

OpenGL Games Implemented a 2-D prototype of the "Pacman" game and a 3-D prototype of the "Adventures of Zelda" game.
- Features : *zooming , panning , and mouse dragging*
- Language used : *C++, OpenGL library*

Hostel Management Portal Designed a portal(web app) that maintains the database of students along with the hostel details.
○ Features : *Responsive UI, Separate logins for students, caretakers and wardens, Different functionalities provided to different people, Local deployment of the web app using Nginx*
○ Languages used : *Python(Jinja template), HTML, CSS, Javascript, Bootstrap*

Proxy Server Implemented a threaded HTTP proxy server.
- Features : *Caching, Blacklisting*
- Technique used : *Python and C socket programming and synchronization using mutex locks*

Relevant Coursework

CS Computer Programming, Data Structures & Algorithms, Operating Systems, Introduction to Databases, Computer Architecture, Functional Programming(Low-scale), Computer Graphics, Artificial Intelligence, Computer Networks (Basic and Advanced), Software Quality Engineering, Complexity and Advanced Algorithms, Basic ML Course by Andrew NG (Coursera)

Electronics Digital Logic and Processors, Basic Electronic Circuits, Digital Signals Analysis and Application

Mathematics Discrete Mathematics, Linear Algebra(Introduction), Complex Analysis, Graph Theory

Position of Responsibility

Felicity 2017 & 2018 Core team member of the organizing team of the college annual cultural fest, Felicity
○ Main member of the Break-In team which organizes CTF (Catch The Flag) at global level, responsible managing the shortcomings during the deployment and execution of the contest
○ Member of the team of Kalakshetra, lead a team of 50 people and managed the whole of the art and craft works of the fest
○ Coordinator of the Zombie Zone event (Gaming event)

Awards and Achievements

KVPY Kishore Vaigyanik Protsahan Yojana Fellow

NTSE NTSE Scholar, Top 1000 among 8,00,000 participants

Extra Curriculars

BasketBall Captain of the school basketball team in the Inter-AEES National Basketball Tournament in 2012.

Table Tennis Captain of the school Table Tennis team and played many tournaments representing the school.