

AKSHIT MEHTA

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Education

University of Florida, Gainesville, FL

Aug 2019 – Dec 2020

Master of Science in Computer Science, GPA: 3.66/4

Relevant Coursework: Advanced Data Structures, Database Management System, Computer Networks, Distributed Operating Systems

Jaypee Institute of Information Technology, India

July 2015 – Jun 2019

Bachelor of Technology in Electronics and Communication, GPA: 7.6/10

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Statistics

CRUX-Data Structures and Algorithms in JAVA by Coding Blocks (Coding Bootcamp)

July 2017 – Sep 2017

Technical Skills

Proficient: Elixir, C++, Java, HTML, CSS, SQL, PHP, JavaScript, jQuery, Linux/Unix, Verilog HDL, Git

Frameworks & Processes: Phoenix, Node.js, D3.js, Android Development, Game development with Unity, MS Bot Framework

Work Experience

AXTRIA INDIA Pvt. Ltd. – R&D Intern, Marketing IQ (INDIA)

June 2018 - July 2018

- Worked as a part of the Marketing IQ product development team as intern for ROI Analyzer Module.
- Developed the front-end of ROI Analyzer module using HTML, CSS, JavaScript and Bootstrap.
- Created dynamic graphs using D3.js to represent the analytical data.
- Research to integrate Cortana with Power BI to enable voice commands.
- Impact – Improved user experience of the application by 30%.

NEO LEARNINGS Pvt. Ltd. - Intern, CORE Team (INDIA)

June 2017 - July 2017 & May 2018 - June 2018

- Front-end & Back-end development of Tax Apps Mobile Application for Android.
- Created new UI screens and connected the front end with APIs to store and fetch the data using Java.
- Added functionality to calculate the total tax on the event of user input.
- Impact – Increased customer base by 40%.

Projects

TWITTER CLONE – Elixir, Phoenix Framework - <https://github.com/akshit913/Twitter-Clone>

December 2019

- Implemented a web interface for a twitter like engine to provide functionality to register, tweet, subscribe and retweet.
- Connected front-end to the twitter engine using WebSockets and phoenix channels.

P2P BIT-TORRENT – Java - <https://github.com/akshit913/P2P-bit-torrent-client>

December 2019

- Implemented a peer to peer network for file downloading which resembles some features of Bit-torrent.
- Designed as a server that can run multiple threads to serve multiple clients simultaneously.

JOYSTICK DRIVER – C++, Linux - <https://github.com/akshit913/Linux-Joystick-Controller-driver>

April 2019

- Implemented user space device driver that reads data from virtual USB device and routes the results to standard Linux system.
- Treats the connected device as a joystick device.
- Allows user to play games and use different software with the use of the joystick.

CRIME ANALYSIS WEBSITE – PHP, SQL, Oracle 11g, JavaScript - <https://github.com/akshit913/Crime-Analysis.git>

April 2019

- Designed a website using PHP which analyzed over **1 Million datasets** of Los Angeles crime records and gave crime statistics.
- Provides better understanding of the analyzed data by using different type of graphs.

MEMORY MANAGER – C++, Linux - <https://github.com/akshit913/Memory-Manager.git>

March 2019

- Implemented a Memory Manager which initializes, allocates, deallocates and keeps track of section of memory.
- Used best fit and worst fit algorithms for memory allocation.

ACCESS LEVEL ASSIGNER – C, Linux - <https://github.com/akshit913/Access-level-initializer.git>

January 2019

- Implemented system calls in Linux kernel along two static library functions that allow the system call to be invoked from a C API.
- The custom system calls gets and sets the process table attribute to track the permissions level of running processes.

STOCK PREDICTION MODEL – Python - <https://github.com/akshit913/Stock-prediction-using-textual-Data>

December 2018

- Designed machine learning model for stock prediction using textual information and historical quantitative data using Keras.
- Sentiment analysis achieved using Word to vector.
- Implemented model showed better results than pre-existing models with similar functionality.