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Gachibowli Hyderabad

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Education

Hyderabad, India **IIIT Hyderabad** **2012 – 2016**

- B.Tech in Computer Science and Engineering, GPA: 8.1.
- Undergraduate Coursework: Software Foundations; Data Structures; Algorithms; Artificial Intelligence; Operating Systems; Databases; Principles of Programming Languages; Computer Networks; Distributed Systems.

Employment

SDE, Machine Learning (Contracted to) **Udemy, Inc.** **August 2018 - Present**

Automated Q&A for high school students.

- Improved classification algorithm by 7% accuracy by implementing a wide & deep learning network and establishing new feature states.
- Responsible for pre-processing services that ingest, process and index using NLTK and spaCy.
- Leveraged knowledge in Machine Learning and Natural Language Processing using BigTable, TensorFlow, NLTK, and deployed model onto Google Cloud Platform (GCP).

Software Development Engineer **Qalaxia, Inc.** **July 2016 - August 2018**

Full-Stack Development of Qalaxia.com.

- Managed a team of four during the last six months and successfully tested using Jest and deployed nine iteration cycles to production. Secured funding from Udemy, Inc. during this time.
- Reduced page size by 1250% by modularising the codebase using Webpack generated chunks to facilitate on-demand loading.
- Implemented MurmurHash3 algorithm to save rich text draft states using JavaScript.
- Leveraged knowledge in JavaScript, Python utilizing AngularJS, Node.JS, Webpack, Gulp.

Software Engineering Intern **VMware, Inc.** **May 2015 – July 2015**

Analytics Infrastructure.

- Ported the analytics script from the remote machine to the client side in VMware Integrated OpenStack.
- Migrated late request calls in Horizon to use a new, simpler parallelization scheme using Python.

Software Projects

- **Match Prediction in Dota2** (2015) - Prediction model using random decision forests. Data collection using MongoDB & Steam Web API. Python.
- **Interactive Android Emulator** (2014) - Implemented remote framebuffer (RFB) using data exposed via ADB. Screenshot of the current state of the device is superimposed on interactive elements with ~50 FPS. JavaScript, Bash.

Additional Experience and Awards

- **1st Place, Interschool Quiz Competition:** Captained and won the MCQC quiz competition in which over 300 schools participated.
- **AIEEE:** Ranked 2112 out of ~1,100,000 students in AIEEE 2012.

Languages and Technologies

- Languages: C++, C, JavaScript, Python, SQL, JavaScript.
- Libraries & Frameworks: TensorFlow, Keras, PyTorch, NLTK, spaCy, Webpack, Gulp, jQuery, AngularJS, Node.js.
- Database Systems: MongoDB, MySQL, BigTable.
- Version Control: Git, SVN.
- Infrastructure: Amazon Web Services (AWS), Google Cloud Platform (GCP).