**Aditya Chellam Ph: 7588997206**

**Computer Science & Engineering UG Second Year**

**Vellore Institute of Technology, Vellore Male**

**Specialization: Core DOB: 17-05-1997**

**Examination University Institute Year CGPA%**

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B.Tech VIT Vellore VIT Vellore 2017 9.00

Higher Secondary CBSE Bhavan’s Civil Lines 2015 93.80

Matriculation CBSE Modern School 2013 92.60

**Email:**y.s.aditya123@gmail.com / aditya.chellam2015@vit.ac.in

**Work Samples:** https://github.com/AdityaChellam

SCHOLASTIC ACHIEVEMENTS

* Awarded State Rank 10th in Middle School Scholarship Examination (MSSE) conducted by the Government of Maharashtra.
* Awarded State Rank 2nd (Maharashtra) in the 14th National Cyber Olympiad Conducted by SOF.
* Awarded 3rd Position (Nagpur District) in Project Water Efficient City organized by NEERI Foundation.
* Awarded Shrimati. S.A. Rathod scholarship in English intermediate/+2 for being subject topper.
* Received Outstanding grade in IT Wizard Programming and Productivity curriculum.
* Awarded Certificate of Merit by Royal Australian Chemical Institute.

RESEARCH AND ACHIEVEMENTS

**AI-based Financial Banking Bot** *1st Winner Code2Create, ACM,**Hackathon*

* Developed a conversation based chatbot for chat based user transactions analyzing customer behaviour over time.
* Used machine learning classifier to comparatively decide on most optimum solution for NLP.

**Improving Existing Data Security Standards in Cloud Computing using Trust Based Machine Learning**  *Winter,2017*

*Prof. S Ananda Kumar*

*(IJRASET, Vol. 5, Issue VI, June 2017)*

* Improving the current data security mechanism and scaling it to incorporate big data for future use.
* Exploring Machine Learning algorithms for implementing trust based security mechanism.

**A Novel Attraction Segregation based Image Compression Technique**

*Winter,2017*

*Prof. Gopinath M P*

*(IJRASET, Vol. 5, Issue VI, June 2017)*

* Comprehensively analysed existing compression techniques
* Proposed a attractive feature selection based lossy compression technique

**Meri Awaaz – Smart Glove Learning Assistant for Mute Students and teachers**

*Winter,2017*

*Prof. Priya G*

*(IJIRCCE, Vol. 5, Issue 6, June 2017)*

* Comprehensively analysed existing compression techniques
* Proposed a attractive feature selection based lossy compression technique

**A Review on Different Techniques of Social Media Analysis**

*Fall,2016*

*Prof. L Ramanathan, Prof. Ramani S*

*(Completed. Under Review)*

* Surveyed the data mining techniques currently in use (as of Nov 2016) and reviewed the sailent features of each.
* Reviewed algorithms improving efficiency of existing mining technique through boosting.

**Analysis of social media metric and human behavior on social media with big data** *Winter 2017,*

*Prof. L Ramanathan, Prof. Ramani S*

*(Ongoing)*

* Exploring and Implementing techniques to analyse human perception of brand on social media platforms.
* Working on the application of Sentiment Analysis in the business domain.

**Intrusion Detection in Computer Networks using Lazy Learning Techniques**

*Winter,2017*

*Prof. S Ananda Kumar*

*(Completed. Under Review)*

* Proposed use of lazy learning techniques for network intrusion detection over existing eager learning algorithms
* Compared, contrasted and determined the best among multiple lazy learning algorithms based on performance efficiency

ACADEMIC PROJECTS

**Functional Calls Implementation** | Operating Systems, Prof. V Vijayasherly

* Added new functionality accessible via function calls to Arca, an experimental OS built on top of the Unix 6.0 Kernel.
* Added Virtual Memory management Functionality to the OS.

**Integrated Network for Health Organizations |** Database Management Systems, Prof. L Ramanathan

* Developed an online service platform to collate the services offered by the Health Organizations based on the type of issue encounter using PHP, Python and MySQL.
* Incorporated features to book/cancel appointments pertaining to specifically requested services.

OTHER PROJECTS

Gesture Controlled Assistant for Deaf and Mute People | ARCS Hackbattle, 2017

* Developed a smart glove to interpret hand gestures and motions based on American Sign Language (ALS) using Arduino Uno and Raspberry Pi.
* Built cross platform framework for its functioning including an Android, iOS and Web Application.

Volt Smart Metering | CodeSpace CSI, 2017

* Developed an application to facilitate prepaid electricity options for optimal power consumption.
* Novel billing mechanism incorporated as solution for smart electricity in digital India.

Dream Interpretation Website | SITE-VIT, 2017

* Built a Website for keyword search based dream interpretaion.
* Developed an android app to keep dream journal and perform dream analysis.

POSITIONS OF RESPONSIBILITY

**Chief Executive Editor, Times of India, Times Buzz** 2012-2013

* Responsible for managing the Times of India Newspaper’s Buzz Pages for a period of 2 weeks.
* Headed a team of **4 students** and a host of daily reporters, article writers and contributors in publishing Buzz page of the Daily Newspaper.

**Core Committee Member at Youth Red Cross, VIT University** 2016-2017

* Responsible for managing blood donors and patients for a period of 2 years.
* Guiding and assisting freshmen initiates of the club and teaching them the workings of Club Events such as Blood Donation and Awareness Campaigns.

EXTRA CURRICULAR ACTIVITIES

* Awarded **International Rank 2** for cover page design on World Innovation Day organized by City Montessori.
* Achieved **1st position** in CBSE Clusters Sports and Games in Table-Tennis, and **Qualified and Played Nationals**, 2013.
* Awarded **Gold** in State Level Table Tennis Tournament, 2011 and won numerous other district level tournaments.
* Awarded Runners-up Trophy in District Level Football Tournament.
* Awarded Gold medal for 2 consecutive years in Intra-School Football tournament.
* Completed Pravinya Level in Sanskrit with a **perfect score**.
* Completed a Short Program in Animation Design and Effects by Mentor School of Animation and VFX.
* Completed ROBOTech Workshop on Fundamentals of Robotics and Electronics.
* Successfully passed Intermediate Grade Drawing Examination by Government of Maharashtra with B-grade.
* Completed a crash course in Beginner Level German Language.
* Won best project (1st prize) in university (SCOPE school) IoT exhibition

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