



Aditya Chellam
Computer Science & Engineering
Vellore Institute of Technology, Vellore
Specialization: Core

Ph: 9765083003
UG Second Year
Male
DOB: 17-05-1997

Examination	University	Institute	Year	CGPA%
B.Tech	VIT Vellore	VIT Vellore	2017	8.02
Higher Secondary	CBSE	Bhavan's Civil Lines	2015	93.80
Matriculation	CBSE	Modern School	2013	92.60

Webpage : <https://adityachellam.github.io/>

Blog : <https://nybbleblog.wordpress.com/blog/>

Email : y.s.aditya123@gmail.com

SCHOLASTIC ACHIEVEMENTS

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

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.

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 salient 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.

Improving Existing Data Security Standards in Cloud Computing using Trust Based Machine Learning

*Winter,2017
Prof. S Ananda Kumar
(Completed. Under Review)*

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.

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

A Novel Attraction Segregation based Image Compression Technique

*Winter,2017
Prof. Gopinath M P
(Completed. Under Review)*

Comprehensively analysed existing compression techniques

Proposed a attractive feature selection based lossy compression technique

ACADEMIC PROJECTS

Functional Calls Implementation | Operating Systems, Prof. V Vijayashery

- 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 interpretation.
- 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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