



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

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

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

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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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