Malla Kavya Mrudula │ **CS14B046**
Indian Institute of Technology Madras
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EDUCATION

Current *2014*	B.Tech/ M.Tech Dual Degree in Computer Science & Engineering Indian Institute of Technology, Madras *Minor: Operations Research* **CGPA: 8.39**
2014 *2012*	XII │ *Andhra Pradesh State Board* Sri Chaitanya Junior College, Visakhapatnam, Andhra Pradesh **Score: 98.5%**
2012 *2008*	X │ *Andhra Pradesh State Board* Mahathi Model High School, Visakhapatnam, Andhra Pradesh **CGPA: 10**

SCHOLASTIC ACHIEVEMENTS

2014	Secured AIR 1419 in IIT-JEE Advanced.
2015	Received Prathibha Award from Government of Andhra Pradesh.
2014	Selected for Kishore Vaigyanik Protsahana Yojana (KVPY) in SX Stream
2014	Received Success@Vizag 2014 by the Times of India, Visakhapatnam

COURSE WORK

Core & Electives	Computer Organisation Basic Graph Theory Modern Compilers Reinforcement Learning	Discrete Mathematics for CS Switching Theory and Digital Design Data Structure and Algorithms Software Engineering	Artificial Intelligence Operating Systems Networks

SKILLS

Programming Languages	Proficient in C, C++, Java, Python, Javascript
Markup Languages	Proficient in HTML, CSS3 & decent knowledge in LaTeX
Frameworks	Worked extensively using React.js & Redux
Softwares	Adobe Photoshop, Unity3D, Blender
Conversational Languages	Proficient in English, Hindi & Telugu & basic conversational skill in Japaneese

PROFESSIONAL EXPERIENCE

July, 2017 *May, 2017*	Boot Team Intern │ Qualcomm *Mentor:* **Anushka Sirdeshpande - Nabar** (*anushkas@qti.qualcomm.in*) — Worked on adding support to Parallel load and hash on various modem devices. — Achieved significant improvements on boot time due to the changes made.
July, 2016 *May, 2016*	FrontEnd Intern │ SportsCafe.in *Mentor:* **Sudhakar Krishnamurthy** (*sudhakar@sportscafe.in*) — Worked extensively to make significant upgrade to their User Interface — Used frameworks like React.js and Redux to improve the UI of their website

PROJECTS

Hackathons:

Feb, 2017	Developed a web extension in TeleStax Restcomm Hackathon — Developed a personalised note taking extension **YouTubeNotes** for youtube which will be helpful in maintaining track of important points of video lectures hosted on Youtube like **NPTEL** Courses and so on.
Feb, 2016	Developed a game in Microsoft Code.Fun.do — Developed an arcade game **Planet Switch** using **Unity3D** in a team of 4

Course Projects:

Jan, 2017 *May, 2017*	Developed a software **Proxy** which acts as an attendance assistant. — It uses face detection and tries to mark attendance from uploaded class pictures automatically. — Various options like manual marking of attendance, uploading student pictures and raising queries in case of any discrepancies were also provided.
Jan, 2017 *May, 2017*	**Optimizing Compiler** for subset of Java (Burito Java) which does various analysis like Constant Propagation, Alias Analysis, Function Inlining and some Loop Optimizations in Java.
Nov, 2016	Coded a bot to play the game of Othello in C++
April, 2016	Regex Verifier & Regex Matcher in C++
April, 2016	Huffman Coding for Data Compression in C++
March, 2016	Graph Visualization for Reverse Delete Algorithm in Python
June, 2015	Basic Scientific Calculator in C
Oct, 2014	Electronic Odometer to calculate speed and distance travelled by a bicycle using Arduino

POSITIONS OF RESPONSIBILITIES

May, 2016 *Aug, 2015*	Hostel Volunteer for Sports Secretary

CO-CURRICULAR ACTIVITIES

Current *2015*	Active member of WiCS-IITM(Women in CS, IITM), a community dedicated to encourage girls in exploring more of CS.
2011 *2008*	Won First Prize in National Hindi Test conducted by Samata Hindi Prachar Vibhag for four consecutive years at school level.

EXTRA CURRICULAR ACTIVITIES

April, 2016	Won First Prize in Tech-Soc 3D-Modelling Event in a team of 2.
2007	Won First Prize in Logo Contest conducted by Department of Indian Posts-India, Andhra Pradesh Circle.
Interests	Cycling, Sketching, Reading books, 3D Modelling and playing Tennis, Chess & Badminton for recreation.

OBJECTIVE

To utilize this oppurtunity in improving my skill set and to explore and understand areas unknown to me, so as to solve new challenges in them.

DECLARATION

I hereby declare that all the information given above is true to the best of my knowledge as on June 11, 2017.