

Curriculum Vitae

Name: Rohit Saluja

University: IITB-Monash

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Academic record:

S.No.	Class / Degree	Board / University	% / CGPA
1	X	CBSE	82
2	XII	CBSE	86.6
3	BE Hons. (E.E.E.)	BITS PILANI GOA CAMPUS	9.14
3	Ph.D. (C.S.E. 3 rd Year)	IITB-Monash	8.13

Experience:

Developed an End to End Interactive Application for OCR corrections during my Ph.D. which is being used at IIT-B for different languages. A demo in Sanskrit, the Indian language with highest no. of inflections, is here <https://tinyurl.com/y7wbpo6m>.

4 years job experience at BHEL Power Engineering Management (of Power Plant). Have experience of single line diagram preparation, system design studies, control systems and cable routing within power plant, as well as procurement and engineering documents verification of instrumentation cables, public annunciation system and lighting system within power plant. Completed an Impress Project on cable routing (related to graphs and networks) in July 2014, the project is related to developing an interactive interface using lisp programming on AUTOCAD for automated nodes and sections marking in the drawing, macro programming in excel and windows host script programming for

repetitive data entry in a software for routing, which is presently saving 400 man-hours and around 1500 papers in every power plant project.

6 months training at LSI Logic in Pune. Completed a project related to branching representation of clocks on MATLAB. Learned TCL and PEARL as well.

2 months Training at CEERI, PILANI on Microwaves In Communication.

Reached the **finals** of **Elixir 2.0**, held in Tech-fest **2009**, the annual **technical festival of IITB**, which involved a prototype of **Image To Voice Conversion Handy Device So That Blinds Can Read General Books** . This was done on Matlab using image processing and interfacing a text to speech software Microsoft Sapi with it.

Have taken around 12 lectures on MATLAB in BITS-GOA.

Computer languages known:

- 1. Programming Languages:** MATLAB, PYTHON, LUA, C++.
- 2. Engineering Softwares:** TESSERACT-OCR, QT CREATOR, TORCH, KALDI.

Practice School-1 station & project:

Practise School -1 station: CEERI, PILANI

Project: To study Microwaves In Communication. This also includes design and simulation of 2.4GHz Microstrip Patch Antenna using **softwares** like IE3D.

Academic Awards/Distinctions/Achievements

- 1.** Achieved Most Admiring Poster Presentation Award in RISC(Research and Innovation Symposium in Computing) 2017 @ IIT-B for presenting “A Framework for Error Detection and Correction in Sanskrit”.
- 2.** Came in Top 30 in Open Showcase event by Mathematics Department @ BITS.
- 3.** Point One Certificate in 12th Mathematics.

Participation in extra-curricular activities

- 1.** Regular **participation in sports** like **Taekwondo (Black belt)**, Judo, Basketball, Table Tennis, Wushu and Athletics.

2. Participation in **poetry club**. Love to **compose poems & songs**. Play instruments like **Harmonium and Flute**.

3. Got **Best Student in class** Awards in X and X11 standard .

4. Won a **Silver Medal** in the **15th GOA STATE TAEKWONDO CHAMPIONSHIPS 2006** held from 28th-29th October 2006 organized by **TAEKWONDO ASSOCIATION OF GOA(R)** and a **Bronze Medal** in **National Taekwondo Championship-2006** held from 8th-11th June 2006 organized by **TAEKWONDO ASSOCIATION OF CHANDIGARH**. Also, Won a **Silver medal** at State Level and **Participation in Nationals in Judo**.

5. Got 4-golds and a **BEST FIGHTER Trophy** in district, a **BEST FIGHTER Trophy** in school, one bronze and two silver at state level in **Taekwondo**. Also won a **Gold Medal** and a **BEST FIGHTER Trophy** in **Wushu** at district level.

6. Played **Basketball** at school level-1st position and **participation in college** also.

Area of interest and career goals:

Areas of Interests:

1. Interactive Learning systems.
2. Optical Character Recognition.
3. Deep Learning.
4. Machine Learning.
5. Education related games.

Career Goals:

To keep myself abreast with the latest technological advancements/developments and contribute to the field of Computer Science, in the best way possible, with full devotion and dedication.

Professional Referees with email-id and contact details.

- 1) Prof. Ganesh Ramakrishnan ganramkr@gmail.com Ph.D. Supervisor @ IIT-B.
- 2) Prof. Parag Chaudhari paragc@cse.iitb.ac.in Ph.D. Supervisor @ IIT-B.
- 3) Prof. Mark Carman mark.carman@monash.edu Ph.D. Supervisor @ Monash.
- 4) Prof. David Squire David.Squire@monash.edu Ph.D. Supervisor @ Monash.
- 5) Dr. Radha Krishna Pisipati RadhaKrishna_P@infosys.com Ph.D. Supervisor @ Infosys.
- 6) Mr. Manish Shukla manishshuklabhel@gmail.com - Sr. Manager @ BHEL-PEM.