Jaswanth Reddy Katthi - Bengaluru, India

jaswanthk@iisc.ac.in │ jaswanthayrus@icloud.com │ https://jaswanthayrus.me

EDUCATION

Indian Institute of Science   Aug. 2018 – Present
M.Tech (Research), System Science and Signal Processing   *Bengaluru, Karnataka*

- **CGPA**: 8/10 with a 9/10 in Machine Learning for Signal Processing.
- Pursuing under the guidance of **Dr. Sriram Ganapathy**, being a part of LEAP lab.
- Working on decoding **the relationships between the natural audio stimuli and the human brain response.**
- **Major courses:** Machine Learning for Signal Processing, Speech Information Processing, Time Frequency Analysis, Compressed Sensing and Sparse Signal Processing, Data Analysis and Visualization, Linear and Non-linear Optimization, Stochastic Models and Applications and Linear Algebra.
- Actively participated and organized the annual 'Open Day' from our lab in 2019 and 2020.
- Attended workshops like 'Brain, Computer and Learning', 'Indo-French Centre for Applied Mathematics' and numerous talks by alumni and researchers around the world visiting our Institute.
- Attended 'Winter School on Speech and Audio Processing, 2020' ; theme was 'Machine Listening'.
- Member of students theatre club - Rangmanch and had been fortunate to perform in three different plays.
- *Still writing…*

Jawaharlal Nehru Technological University   Oct. 2013 – May 2017
B.Tech, Electronics and Communication Engineering   *Anantapur, A. P.*

- **Absolute percentage: 74.57 %**
- **All India Rank of 68** -greater than top 99 percentile- in GATE for EC Branch, a common entrance examination for Masters programs across India.
- **B.Tech Project**: **Smart Automotives using MSP430**: Using MSP430, supervising the conditions in an automobile through various sensors and Internet of Things technology to inform his family, the other automobiles and emergency services nearby in the hour of need.
- **Key Courses:** Data Structures, Signals and Systems; Analog and Digital Communications; Digital Signal Processing; Digital Image Processing; Electronic Circuit Analysis; Neural Networks and Fuzzy Logic; Calculus;
- Topped at a workshop on "Embedded Systems" at NIT Warangal Technical fest, Technozion and got selected for National Level at IIT Madras - We had to design and build a line follower robot from scratch.
- Attended a workshop on "Internet of Things" at Indian Institute of Science, Bengaluru.
- Coordinated and organized a 3 days personality development program "IMPACT" at Anantapur.
- An active member of **NSS Club** in our university.
- Coordinator as ECHO's representative, an ECE student's body.

Narayana Junior College   Oct. 2011 – May 2013
Intermediate in M. P. C.   *Kurnool, A. P.*

- **Percentage: 93 %**
- Acquired a score of 220/360 -greater than 99 percentile all over India- in JEE MAINS 2013.
- Got a 1078 Rank in EAMCET 2013, a state common entrance test for all B.Tech programs in Andhra Pradesh.

SKILLS & INTERESTS

- **Technical Languages:** Python, C, C++, MatLab, Embedded C, HTML, CSS, JavaScript, LaTeX, Bash, x86.
- **Frameworks/ Libraries:** Pytorch, Tensorflow, React, VueJS, NuxtJS,
- **Languages:** Telugu, Hindi, English, Kannada, Tamizh.
- **Skills:** Adobe Photoshop, After Effects, Logic Pro X, NI Multisim; Excited by teamwork, Patient Listener.
- **Interests:** Design, Movies, Politics, Music, Arts, Coffee, Science fiction, Doctor Who, Life, Philosophy, Cognitive Neuroscience, Psychology, Writing, etc.