

Jaswanth Reddy Katthi - Kurnool, India

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EDUCATION

Indian Institute of Science

Aug. 2018 – Present

M.Tech (Research), System Science and Signal Processing

Bengaluru, Karnataka

- **CGPA: 8.2/10** 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**.
- My first conference paper got [published at EMBC 2020](#). We are about to submit our journal paper.
- **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' for our lab in 2019 and 2020.
- Attended workshops like 'Brain, Computer and Learning', 'Indo-French Centre for Applied Mathematics', 'CNS 2020' 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'.
- Attended Neuromatch (conference) and Neuromatch Academy 2020 with a project on brain inspired learning algorithm based on Hebbian and Free Energy Principle.
- Member of students theatre club - Rangmanch, worked for three different plays.

Jawaharlal Nehru Technological University

Oct. 2013 – May 2017

B.Tech, Electronics and Communication Engineering

Anantapur, A. P.

- **Absolute percentage: 74.57 %**
- **All India Rank 68** -99.9 percentile- in **GATE (EC)**, entrance exam 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 their 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.
- 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: 94.7 %**
- Acquired a score of 220/360 -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, French (currently learning).
- **Skills:** Adobe Photoshop, After Effects, Logic Pro X, NI Multisim; Excited by teamwork, Patient.
- **Interests:** Design, Movies, Music, Sci-fi, Philosophy, Computational Neuroscience, Psychology, Writing, [etc.](#)