

# Jaswanth Reddy Katthi - Kurnool, India

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## EDUCATION

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### 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.
- Worked as Teaching Assistant for “Deep Learning - Theory and Practice” (CCE course, Spring 2020).
- 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’, ‘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.
- Extra Curricular Activities: 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 IoT to inform family, 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

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- **Technical Languages:** Python, MatLab, C, C++, Embedded C, HTML, CSS, JavaScript, LaTeX, Bash.
- **Frameworks/ Libraries:** Pytorch, Praat, Tensorflow, React, VueJS, NuxtJS.
- **Other Skills:** Adobe Photoshop, After Effects, Illustrator, Audition; Logic Pro X.
- **About me:** Excited by teamwork, Patient, Philosophical thinker, Adaptable, Flexible.
- **Languages:** Telugu, Hindi, English, Kannada, Tamizh, French (currently learning).
- **Interests:** Design, Movies, Music, Sci-fi, Philosophy, Computational Neuroscience, Psychology, Writing, [etc](#).