

Jui Shah

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PUBLICATIONS

[Jui Shah on Google Scholar](#) : 6 Publications and **31 citations**

- "What all do audio transformer models hear? Probing acoustic representations for language delivery and its structure" on arxiv with 22 citations.
- "Mspec-net: Multi-Domain Speech Conversion Network", **45th Int. Conference of Acoust. Speech, and Signal Process. (ICASSP)**, Barcelona, Spain, May 04-08, 2020.
- "CinC-GAN for Effective F0 prediction for Whisper-to-Normal Speech Conversion," accepted in **28th European Signal Processing Conference (EUSIPCO)**, Amsterdam, The Netherlands, Jan 18-22, 2021.

EDUCATION

UNIVERSITY OF MASSACHUSETTS, AMHERST – MA, USA

Master of Computer Science : Sep 2021 to Present, GPA: 3.85/4

WORK EXPERIENCE

LINKEDIN - SUNNYVALE, CA

Machine Learning - Artificial Intelligence Engineer : May 2022 to Aug 2022

- Researched a **state-of-art algorithm** that refined **scaling** of global feature computation that reduced the computation time to **5-10 mins** when the existing algorithm was taking **hours**.
- Evaluated the new algorithm in various scenarios and revamped the production level codebase using LinkedIn's internal tech stack which required Scala programming.

DEUTSCHE BANK - Pune, India

Technology Analyst Summer Intern : June 2020 to July 2020

- Created an Online Broker Dashboard prototype to increase broker productivity by 20% that followed industry standards during the full stack development by using Agile Methodology.

INFORMATION EXTRACTION AND SYNTHESIS LABORATORY - UMASS, USA

Graduate Researcher : June 2021 to April 2022

- Worked in collaboration with **Bloomberg** to extract entity pair relations from large knowledge databases.
- Using time-information to align the relations so as to reduce unwanted noise by 40%.

MULTIMODAL DIGITAL MEDIA ANALYSIS LAB - IIIT-Delhi, India

Research Internship : Aug 2020 to May 2021

- Executed a project in collaboration with SLTI, a subsidiary of **Benesse** - edtech giant, to implement Explainable AI for providing feedback to learners for their Simulated Oral Proficiency Interviews.
- Deployed the project in the Philippines and improved learning English for 500+ non-native speakers substantially since feedback on practice speeches proved to be helpful.

SCHOLARSHIPS

AWS MACHINE LEARNING SCHOLARSHIP PROGRAM BY AMAZON

Jun 2021 - Oct 2021

FULL TUITION FEE WAIVER FOR UNDERGRADUATE STUDIES

Aug 2017 – May 2021

SKILLS

Languages: Python, C/C++, MATLAB, Javascript, Typescript, Scala.

Tools and Tech: Data Structure and Algorithms, PyTorch, Deep Learning, Machine Learning, Object Oriented Programming, MEAN Stack, Agile, Latex, Computer Vision, Git & Github.

LEADERSHIP AND AFFILIATIONS

- Core Member of IEEE Machine Learning Student Interest Group and IEEE Women in Engineering, DAICT .
- Initiated Sis-code to increase involvement of girls in programming and volunteered at YUVA NGO to teach underprivileged kids.