

JALANSH MUNSHI

Graduate Student - 1 year Exp

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EXPERIENCE

Software Developer

Luminosity Lab

Mar'21 – Present

Tempe, USA

- **Full-stack development** for a web application that connects small businesses to student volunteers.
- UI developer for a web application that lets users post and explore business ideas.
- Tech-stacks used: React (Typescript/Javascript), Flask, PostgreSQL.

Full Stack Developer

Pirimid Fintech

Aug'20 – Dec'20

Ahmedabad, India

- **Eliminated** the need for **in-person identity verification** between banks and individual users by developing an **e-KYC** platform. Also **optimized** the code to reduce multiple API calls to a single API call.
- **Migrated** stock positions data dashboards to **Grafana** for **improving the efficiency** of data filtering.
- Tech-stacks: React (Typescript), Springboot, Java, PostgreSQL.

Open Source Contributor

Habitica

Jun'20 – Aug'20

Remote

- **Fixed the re-casting** of 2 major skills, Stealth and Chilling Frost, which **impacted all the users**.
- Fixed redundant invites and member count bugs for parties, and **helped new contributors** to set up the code base.
- Tech-stacks used: Node.js, Javascript, MongoDB.

Software Intern

MAQ Software

Jan'20 – May'20

Mumbai, India

- Worked on the frontend and backend changes for a **24x7 live platform** which receives a **high volume of transactions** (>100,000) operated by a large US-based MNC.
- Tech-stacks used: .NET MVC Framework, SQL Server.

Undergraduate Researcher

Speech Research Lab

Dec'18 – Dec'19

Gandhinagar, India

- **Converted Non-Audible Murmur (NAM) Speech** to Whispered as well as Normal Speech for paired and unpaired data by using **Deep Learning** techniques under the guidance of Prof. Hemant Patil.
- **Created a new dataset** for Normal Speech conversions by recording and preprocessing about **420 normal speeches**.
- Tech-stacks used: Python, MATLAB.

PUBLICATION

H. Malaviya, J. Shah, M. Patel, **J. Munshi** and H. A. Patil, "Mspec-Net : Multi-Domain Speech Conversion Network," ICASSP 2020 - 2020 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), Barcelona, Spain, 2020, pp. 7764-7768.

SKILLS

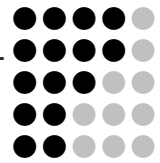
JavaScript, ReactJS, C++

HTML/CSS, Linux, PostgreSQL

Java, Spring, Grafana

Redux, Node.js, Docker

Flask, Python, MongoDB



EDUCATION

MS in Computer Science

Arizona State University

GPA: 4.0/4.0

Jan '21 – Dec '22

USA

B.Tech in Information and Communication Technology

DA-IICT

GPA: 7.57/10.0

Aug '16 – May '20

India

ACHIEVEMENTS

- **CGI U 2021 Fellow and winner** of Call for Code - Innovation, Equity and Climate Change Hackathon hosted by IBM and CGI U, February 2021.
- **Selected** for the ASU Engineering Graduate Scholarship **two years in a row**.

PROJECTS

C_My_Footprint

- Determined the **contribution of carbon footprint** of a user using parameters like **mode of transport and distance**.
- **Rewarded or penalized** the users on the basis of the **environmental friendliness** of the user's transport method.

Novel Inception-CycleGAN for NAM-to-Whisper Conversion

- **Converted NAM speech** into Whispered Speech by using the concept of **Inception** inside Cycle Consistent Generative Adversarial Networks (**CycleGAN**).

Emotion Detection using Speech

- **Classified** a speech into **seven emotions** - Happy, Sad, Angry, Disgust, Neutral, Pleasant Surprise, and Fear - by using Convolutional Neural Networks (**CNN**) on Toronto Emotional Speech Set (TESS).

Resume Maker

- Our platform **improved** the existing resume templates and **slashed the number of pages** from 3 to 1. Project is live on [GitHub](#) and it is currently being promoted, and used by the Placement Office of DA-IICT.