

# Aryan Jain

<https://aryanjain28.github.io/>

Email : [jain.aryan@northeastern.edu](mailto:jain.aryan@northeastern.edu)

Mobile : +91-94794-88833

## EDUCATION

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- **Savitribai Phule Pune University**

*Bachelor of Engineering; CGPA: 8.56*

Pune, India

*July 2017 – August 2021*

## TECHNICAL SKILLS

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- **Languages:** ReactJS, NodeJS, Python, Java, C++, SQL, CSS, HTML
- **Databases:** MySQL, MongoDB, SQL Server,
- **Machine Learning:** Pandas, Numpy, Keras, Tensorflow, Pytorch, SciPy, NLTK, matplotlib
- **Tools and Frameworks:** Flask, Spark, Git, Docker

## EXPERIENCE

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- **Josh Software Pvt. Ltd.**

*Software Developer / Full-Stack / Full-time*

Pune, India

*January 2021 - November 2022*

- **Lemnisk**

- Redesigned database structure and implemented pagination in the backend to improve API response time which eventually brought the wait time to around 1 second from earlier 5 seconds.
- Single-handedly managed UI for features that involved complicated data manipulation and custom complex graphs like - Sankey, Funnels and Sunburst-Plot.

- **BidWheelz**

- Redesigned dashboard for existing software which attracted large private sector banks. Also improved experience for customers, which eventually increased software engagement by 200%.
- Assisted in various ways for implementing secure payment gateways, also engaged directly with client's requirements which were large private sector banks.

- **MyLab (Healthcare client)**

- Developed software modules for India's first fully automated machine that eliminates the diagnostic center's vast requirements and can deliver test results with 3x speed and 99% accuracy.
- Personally worked with the client's requirements and implemented changes like chat-box support that eventually helped during the COVID pandemic.

- **Wolffkraft Design Studio.**

*Software Developer / Full-Stack / Intern*

Pune, India

*December 2019 - March 2020*

- **Litraxo**

- Developed chat and email support as RESTful microservices using NodeJS and deployed to AWS's EC2 instance for scalability and cost savings.

## ACADEMIC PROJECTS

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- **Low Resolution Image to Super Resolution using Generative Adversarial Networks (GANs)**

- Studied generative modeling and developed a model that converts the low resolution of an image to super-resolution. Also developed the UI for the project using ReactJs.
- Experimented with various neural network architectures like- EDSR, MDSR, ESRGAN and also studied their research papers.

- **Object Detection using Android**

- Developed an android application that can detect and label objects from a mobile phone's rear camera in real-time.
- Built model using Tensorflow and converted it to TF-Lite for its application in a smartphone.

- **Image Caption Generator**

- Implemented 'merge' architecture technique to build an ML model that can generate captions for the input image.
- Experimented with different parameters of the model to improve the BLEU score of that model.

- **Live location tracing Android App**

- Developed an android application in JAVA that could locate all the online users in real-time.
- Used Google Firebase for databases and authentication and Google Map's API for map visualizations.

## CERTIFICATES AND EXTRA-CURRICULAR

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- Event coordinator and organizer for college tech-fests.
- **Certificate:** DeepLearning.ai - Deep Learning Specialization
- **Certificate:** DeepLearning.ai - Tensorflow Specialization

*January 2018 / 2019 / 2020*