

# Aryan Jain

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

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## EDUCATION

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- **Northeastern University**

Boston, MA

*MSCS; Courses - PDP (CS-5010) / DBMS (CS-5200) (Spring 2023)*

*January 2023 – Present*

- **Savitribai Phule Pune University**

Pune, India

*Bachelor of Engineering; CGPA: 8.56*

*July 2017 – August 2021*

## TECHNICAL SKILLS

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- **Languages:** C/C++, Java, ReactJS, NodeJS, Python
- **Databases:** MySQL, MongoDB, SQL Server,
- **Tools and Frameworks:** Flask, Spark, Git, Docker

## EXPERIENCE

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- **Northeastern University**

Boston, MA

*Teaching Assistant / Full-Stack*

*January 2023 - Present*

- **Teaching Assistant - Fund. of Software Engineering (CS-4530)**

- Mentored students on various programming concepts, with a specific focus on ReactJS and NodeJS.
- Collaborated closely with five groups, each comprising four students, in the context of their final project on full-stack development using React and Node.
- Assisted students with queries regarding lecture content, including but not limited to cycle models, project planning and estimation, requirements analysis, program design, testing, and software quality.

- **Josh Software Pvt. Ltd.**

Pune, India

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

*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.
- Implemented chat-box support to meet client's needs, which proved helpful during COVID pandemic.

## ACADEMIC PROJECTS

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- **Live location tracing Android App (Java)**

- 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.

- **Object Detection using Android (Java)**

- 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.

- **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.
- Experimented with various neural network architectures like- EDSR, MDSR, ESRGAN.

- **Image Caption Generator (Python)**

- 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.

## CERTIFICATES

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- C/C++ Programming
- Deep Learning Specialization | Tensorflow Specialization

*Seed Infotech, India, 2019 / 2020*

*Coursera, 2020*