Aryan Jain

https://aryanjain28.github.io/

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Education

- **Savitribai Phule Pune University** — Pune, India
  Bachelor of Engineering; CGPA: 8.56 — *July 2017 – August 2021*

Technical Skills

- **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

- **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 complicted 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.** — Pune, India
  Software Developer | Full-Stack | Intern — *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

- **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

- Event coordinator and organizer for college tech-fests. — *January 2018 / 2019 / 2020*
- **Certificate**: DeepLearning.ai - Deep Learning Specialization
- **Certificate**: DeepLearning.ai - Tensorflow Specialization