

Dhruv Jawalkar

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Full Stack Engineer | Software Development Engineer

EDUCATION

Master's in Computer Science, Oregon State University (GPA: 3.75) **2021**
Relevant Coursework: Software Engineering Methods, Software Project Management, Data Structures and Algorithms, Programming Languages, Computer Architecture, Machine Learning, Deep Learning

SKILLS

- **Programming:** Java, Python, JavaScript, HTML5, CSS, Bash, Shell
- **Backend:** Flask, Node.js, NGINX
- **Frontend:** Angular.js, React, JQuery, gulp.js, responsive design, bootstrap
- **Data/Databases:** SQL, NoSQL, MySQL, MongoDB
- **Cloud/Technologies:** Docker
- **Machine Learning:** PyTorch, TensorFlow, Keras, OpenCV, scikit-Learn, NumPy

PROJECTS

Pose Guidance **2020**

Tech Stack: TensorFlow.js, Flask, MongoDB, NGINX, 2D Human Pose Estimation

- Built a Pose Guidance web-application which coaches the user in performing a body posture routine correctly
- Built the full Stack web application using TensorFlow.js, Flask, MongoDB, NGINX
- Users on average learned the activity 50% faster when compared to learning from the YouTube tutorial

Deal Of The Day **2020**

Tech Stack: Node.js, React, NGINX, MongoDB

- Built a web platform as a team of 2, partnered with local restaurants to advertise lunch deals to on-campus students
- Built responsive frontend, handled platform cloud deployment
- Platform got 100+ student users, 3 local restaurant partners

Portfolio Website / Blog- <https://dopelemon.me/> **2019**

Tech Stack: Flask, PyTorch, NGINX, JavaScript, HTML/CSS

- Maintained full stack portfolio website / computer vision blog around topics like Pose Estimation, Depth Prediction
- Used Flask for writing backend API's for model inference, vanilla HTML/CSS for frontend
- People could perform model inference after reading about the inner workings model on their test images

PROFESSIONAL EXPERIENCE

Kony Labs, Hyderabad, India - Senior Software Engineer **Dec 2016 – Jun 2017**

Tech Stack: Angular.js, JavaScript, Java, MySQL, HTML/CSS

- Implementing a lazy rendering component across Kony's internal platform portal for large data lists (>100). Wrote a custom directive using Angular.js which reduced UI component load time and made search significantly faster (speedup of 400%)

Engage BDR, Hyderabad, India - Software Engineer **Apr 2016 – Dec 2016**

Tech Stack: Angular.js, JavaScript, Java, MySQL, Git

- Built a web application using Angular.js, bootstrap, Grunt.js, in order to create a platform ICONICREACH, which connects brand advertisers to Instagram influencers
- Platform had 100+ brand partners, collaborated with a team of 4 engineers, resulting in a 4-month project completion and client satisfaction. Gave timelines and expectations and tech stack expectations