# Syed Moinudeen

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## EDUCATION

### ANNA UNIVERSITY
B.E in Computer Science
Grad. 2017 | Chennai, India
GPA: 7.5/10

### MANUELMONY HIGH SCHOOL
XII Grade
Grad. 2013 | Chennai, India
GPA: 9.3/10

## LINKS

GitHub: @moinudeen
Twitter: @SyedMoinudeen
LinkedIn: syedmoinudeen

## SKILLS

- Python • PyTorch
- Chainer • TensorFlow • NumPy
- Sklearn • Pandas • SQL • Django
- Flask • AWS Cloud
- GCP Cloud

## RESEARCH INTERESTS

Computer Vision
Natural Language Processing
Self Supervised Learning
Unsupervised Learning

## COURSEWORK

### UNDERGRADUATE
Artificial Intelligence
Machine Learning
Operations Research
Linear Algebra
Calculus
Web Programming
Information Retrieval
Operating Systems
Databases
Object Oriented Algorithms and Design

## INTERESTS

Reading Blogs, Research Papers & Kaggle Kernels.
Competitive coding

## EXPERIENCE

### MAD STREET DEN - VUE.AI | Machine Learning Engineer
May 2017 – Present | Chennai, India
- Joined as an early member at this AI startup, worked on AI stack for retail automation - vue.ai, currently working in the strategic team where I am involved in building applied ML products for a range of different verticals.
- My work involves building end to end ML systems for our products and clients, from algorithmic modelling to building engineering infrastructure at scale.

### ST.JOSEPH'S INSTITUTE OF TECHNOLOGY | Student Developer
April 2015 – March 2017 | Chennai, India

- As a Student developer, built software applications and deployed them for multiple use cases in our college. Tech Stack: Ruby On Rails, Django, Python.
- Mentored juniors and batchmates to develop their skills in Software Engineering. Conducted workshops/talks to teach new concepts.

## PROJECTS

### STRATEGIC OFFICE PROJECTS  Jan 2020 – Present | Mad Street Den
- Building Applied ML solutions for complex business problems through a new vertical of products in fintech, marketing/sales process automation, etc.
- Developed and experimented with NLP and Computer Vision based systems for tasks like classification, Named Entity Recognition, Object Detection, etc.
- Tech Stack: NLP(Pytorch, Transformers, Sklearn, Numpy), CV(Pytorch, torchvision, OpenCV), Engineering(Bottle, AWS Redshift, AWS EC2, Redis, etc)
- Algorithms worked/experimented with: NLP(tf-idf, word2vec, BERT, Transformer, Classical ML algorithms), CV(EfficientNet, ResNet, etc).

### VUETAG  January 2018 – December 2019 | Mad Street Den
- AI-powered catalog management tool with automated and accurate tags for better product discovery
- Conducted algorithmic experiments with SOTA Deep learning architectures( from AlexNet, VGG, Inception, ResNet to EfficientNet), ML models(Logistic Regression, SVM, etc) to enable better performance of the product. Worked on methods like Image Recognition, Object Detection(YOLO), Image Quality detection, Color algorithms, Text Classification, etc.
- Built engineering systems to serve these models in production. Built data pipelines, feedback loop systems to improve the efficiency of product delivery.
- Experimented with latest trends in ML research to improve the quality of results. (For ex: used random augmentation strategies to train robust models)
- Tech Stack: CV(pytorch, torchvision, OpenCV, Chainer, TensorFlow), NLP(sklearn, numpy), Engineering( Django, Postgres, AWS Redshift, EC2, Redis,etc)

### VUECOMMERCE  May 2017 – December 2017 | Mad Street Den
- Visual-style based recommendations and End-to-end, real time, dynamic personalization suite.
- Developed Data Pipelines across microservices to enable 10x faster on-boarding of a client catalog. Tech Stack: AWS services like SQS, EC2, Elasticache and libraries like Celery, Django and SQL Database.
- Worked on improving image retrieval algorithm for Visual recommendations. Tech Stack: TensorFlow, Numpy, etc