

Experience

Bright Money Inc.

JUNE 2019 – PRESENT

JUNIOR RESEARCH SCIENTIST

- Early Data Scientist, involved in all things Data Science at Bright
- Design and productionize the Automated Debt Manager - an end-to-end system that analyzes the finances of an agent, collects the money required in a distributed fashion when affordable, pays the minimum dues of the credit cards; all the while maintaining the state of all cards and payments
- Bills identification, EDA, time-series analysis, various predictive models (income, expense, balance, affordability, overdraft), segment analysis, user behaviour tailoring
- Django, Python, AWS, Pandas, Numpy, Prophet, SARIMA

Fyle

MAY 2019 – JUNE 2019

DATA ENGINEER INTERN

- Automated processing of relevant fields from digital invoices
- Identify and extract relevant text from bills, further classify merchant names in the text
- Python, OpenCV, Scikit-Learn, AWS

Robert Bosch Engineering and Business Solutions Private Limited

AUG 2017 – DEC 2017

DEEP LEARNING INTERN

- Using deep learning models for diabetic retinopathy, meibomian and glaucoma detection
- Testing and training the various neural network architectures like Inception-v3
- Improve segmentation through data augmentation using perturbation
- Python, OpenCV, Pillow, AWS, Django; Theano, Keras, TensorFlow

Dept. of Computer Science and Automation, Indian Institute of Science

JUL 2017

SUMMER STUDENT

- Selected among 80 students across India to attend the 5th Undergraduate Summer School
- Took courses on Cryptography, Machine Learning, Graph Theory, Computational Neuroscience, Game Theory

SuperText

SEPT 2015 – DEC 2015

ANDROID DEVELOPER INTERN

- Designed and developed an android application for delivery personnel; implemented push notifications and location services
- Leveraged knowledge in Android SDK, Google Maps API, OneSignal(Push notification) and smooch.io(Chat);

Education

Bachelors, Computer Science and Engineering

2014 – 2018

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY | VTU

THESIS

Electives: "Pattern Recognition", "Artificial Intelligence", "Clouds, Grids and Clusters"

Publications

EFFECT OF CAPSULENET AS DISCRIMINATOR ON GANS

MAY. 2020

(submitted) IEEE BigMM

DEEP LEARNING SEGMENTATION AND QUANTIFICATION OF MEIBOMIAN GLANDS

DEC. 2019

Biomedical Signal Processing and Control

(SCIENCE DIRECT)

Projects (GitHub)

- Image Regeneration** Semantic in-painting to generate parts of an image, using a CapsNet modified Generative Adversarial Network
PYTHON, TENSORFLOW, KERAS, COLABORATORY
- Pretty Pixel** A computer graphics game involving manipulation of a three-dimensional playing field
C++, OPENGL, LINUX
- Souffleur** A smart speech prompter which suggests forgotten lines of speech while on stage
ANDROID, SQLITE, TEXT-TO-SPEECH
- AuReader** An immersive book reader which plays contextual music based on the dominant emotion of the page
ANDROID, SYNEsketch, EPUB

Extracurriculars

CERTIFICATION

- 2019 **Neural Networks and Deep Learning**, deeplearning.ai on Coursera CERTIFICATE
- 2017 **Machine Learning**, Stanford University on Coursera CERTIFICATE
- 2017 **Android Developer Nanodegree**, Google on Udacity CERTIFICATE

HONORS

- 2017 **First place in final year project exhibition**, "Image Regeneration with Generative Models" CERTIFICATE
- 2016 **Scholarship from TATA Trusts and Google India**, Nanodegree at Udacity
- 2015 **ACM ICPC**, Honorable Mention CERTIFICATE
- 2014 **Letter of commendation by Minister of HRD, Kendriya Vidyalaya**, AISCCE (12th Board) CERTIFICATE

Skills

MACHINE LEARNING, DEEP LEARNING, ALGORITHMS, DATA STRUCTURES, LINUX, ANDROID
PANDAS, NUMPY, SCIKIT-LEARN, AWS, DJANGO
C, C++, PYTHON, SHELL, HTML, CSS, JAVASCRIPT, SQL, OPENGL, TENSORFLOW
OCTAVE, JAVA, JEKYL, GIT, INKSCAPE, GIMP, LATEX