Abhinav Nagpal

🛈 12 February 1997

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🌐 X-34, DLF City phase-2,
Gurgaon, Haryana–122002

Education ────────

BTech Computer Science and
Engineering | VIT Vellore |
2016-2020 | GPA:8.86/10

Class XII
Mount St. Mary'S School |
2014-2015 | 92.4 %

Class X
Mount St. Mary'S School |
2012-2013 | 9.4/10

Skills ────────

Languages: C++, Java, SQL, Python, R
WebDev : HTML, CSS, JS, NodeJs
Deep Learning: TensorFlow, Keras,
Libraries: Numpy, Pandas, Matplotlib,
Plotly
Other: MS Office, Latex, Git, Jupyter

Extra-Curricular ─

Co-Founder @ COGNET
- Involved in making blogs
- re-implementing research papers
- Learning new technologies

Volunteer @ Anand Foundation
- Involved in cleanliness drives &
teaching english

Internships and Training

May-July'19	Summer Research Internship	IIIT Allahabad

Working on the DAIZ-WOZ depression by USC. Created a text summerizer for the conversations. Working on Knowledge graphs to simplify clinical depression examinations.

Dec-Jan'19	Winter School	NUS, Singapore

Completed a program under the Global Academic Internship Program-GAIP. Worked on real-world data-sets using tools like Hadoop, Ambari, MapReduce.

May-July'18	Summer Training	Coding Blocks, New Delhi

2 months ML and Deep learning summer training & certification Worked on a project in speech technology to auto finish an unfinished music using hidden Markov Model & Principles of Music Theory.

May-July'18	Summer Intern	Binary Semantics Limited, Gurgaon

Worked with various web technologies such as ASP.NET and learnt to deploy ML models. Created a web application to Rate selfies.

Projects and Research Papers

Aug-Sept'18 Facial expression recognition for unplanned images
A shallow CNN using RMSProp optimizer; Results compared with existing architectures such as Alex-Net and VGG-16. Used saliency maps to understand the classification.

Feb-Mar'18 Image Captioning using PyTorch
A deep Encoder-Decoder model trained on the famous COCO dataset, implemented as part of the Computer Vision course in Udacity.

Oct-Nov'17 Tetris Bot
Score for the best possible move based on heuristics. Used genetic algorithm to exceed fitness limit of 150000 lines. Designed the complete UI and functionality of the bot.

Jan-Mar'19 FCBODM–Fuzzy constraint based outlier detection models
A fuzzy constraint based outlier detection model that first prunes noisy data using fuzzy nearness measures and then detects outliers with the help of traditional models. Acceptted to icic'19, China.

Sept-Nov'18 Strategizing Game Playing Using Evolutionary Approach
Proposed a novel approach to strategize games using evolutionary approach. Used Genetic algorithm to make game bots followed by FP Growth algorithm to extracted knowledge about game-playing. Accepted at ICAISC'19, Poland.

Jun-July'18 Python for data analytics, scientific and technical applications
A review paper describing why Python has become a complete programming solution for data analyics. Accepted at AICAI'19, Dubai.

Achievements

March'19 Poster Selected at Carnegie Mellon University, Pittsburgh

Courses and MOOCs

Courses Data structures & algorithms, Databases, Operating systems, Internet & web programming, Software Engineering, Data mining, Web mining, Computer architecture, Soft computing, Social media analytics, Discrete mathematics, Linear algebra.

MOOCs Coursera: Deep learning specialization & machine Learning course
Stanford: Convolutional Neural Networks for visual recognition (CS231n), Deep Learning for Natural Language Processing (CS224d)