ABHIGITH NEIL ABRAHAM

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OBJECTIVE

I am highly interested to learn more about core machine learning technologies, specifically deep learning, and to work on the production environment.I solve harder tasks each day, and write open source code to make deep learning solutions available to everyone.

EXPERIENCE

Minicog.ai   May 2020 - Present

NLP developer
Co created a Table QA chatbot for csv files

Gift Card Bank   March 2020 - Present

NLP developer
I worked at Gift Card Bank, a non profit organisation aimed at providing for the Covid 19 affected families through Gift Cards,and started in April 2020. I created an NLP tool,using BERT, and Keras, to filter the customer stories and verify if they're eligible to earn a Gift Card.

alrt.ai   April 2020 - Present

Software Architecture Consultant
alrt.ai is a start-up focussed on giving tailored content based on news related to consultants.I work as an architecture consultant, developing strategies to solve specific data oriented problems and building knowledge graphs to match news stories and entities.

FoundingMinds Inc.   June 2019 - January 2020

ML Research Intern
Worked under the mentorship of Dr. Jayaraj Poroor, researcher at Microsoft and did data collection from programming languages using parser created by ANTLR, and created an NLP tool for classification of entities on programming languages with their corresponding datatypes.

Concepts.ai   January 2019 - September 2019

Android App Developer
Worked as an Android developer on the front end for creating a solution for pay and park for automobiles.

EDUCATION

College Of Engineering Trivandrum   2016-2020

Btech in Electrical and Electronics
7.9

SKILLS

Python Java C C++ Keras Django Flask Pytest Firebase Postgresql Cloud Computing
Android Studio React ANTLR NLP Reinforcement Learning Opencv CNN Machine Learning
Data Science Deep Learning Git

PROJECTS

Table QA
A table QA chatbot to do natural language queries on csv data

Entity classification tool using NLP and ANTLR

Scraped Github repositories to generate keyword entities using parser tool and trained the entities using NLP for classification.

Research Journal
Wrote a chapter titled 'Deep Learning in Python' (Currently under review) for a Springer journal "Advanced Deep Learning Techniques for scientists and engineers: A practical Approach" - under the mentorship of Dr. Kolla Bhanu Prakash, Professor and Research group head from CSE Department, K.L University.

Ceekyoo Search

Building a search engine which has the capability of bringing together the state of the art NLP and Image Recognition models to obtain search results according to questions asked on an image.

Project Anton
As part of our final year project, we are creating a 5 DOF robotic arm which can be trained using reinforcement learning to do a stacking operation by itself.

PDF summariser
Made an android app to summarize any pdf file and return the summary as a text file.

Med-Track
An original Idea for medicinal commodity distribution. Worked on frontend, backend and data base single handedly.

OPEN SOURCE CONTRIBUTIONS

Eywa
Wrote tests using pytest, wrote docstrings and rendered documentation page for a chatbot framework called Eywa

pybullet-robot-envs
Bug fixes and code cleanup for ensuring working of training and testing using reinforcement learning for robotic arm environments.

ACHIEVEMENTS & AWARDS

Course Facilitator for Google Explore ML Academy

Founder of Tinkerhub CET technical community.

Finalist in National Carbon Zero Challenge Competition

Active contribution streak of 500+ days in Github

PERSONAL DETAILS

Date of birth : 21/01/1997

Nationality   : Indian

Website   : http://abhijithneilabraham.me

LinkedIn   : https://www.linkedin.com/in/abhijith-neil-abraham-765165141/

Twitter   : https://twitter.com/abhijithneil

GitHub   : https://github.com/abhijithneilabraham