Bhaskar Praveen Palacherla

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EDUCATION

George Mason University, Fairfax, VA, USA — Expected: May 2024
College of Engineering and Computing
Masters of Science in Computer Science — Overall GPA: 3.83/4.0
Related courses: Analysis of Algorithms, Data Mining, Computer Systems, Machine Learning

Bennett University, Greater Noida, India — May 2021
Bachelor of Technology in Computer Science — Overall GPA: 3.11/4.0
Related courses: Data Structures, Competitive Programming, Machine Learning, Deep Learning, NLP.

LANGUAGES AND TECHNOLOGIES

- Python, Machine Learning, Deep Learning, Java, C, Data Structures, Cloud computing, Ethical Hacking, Cyber Security
- Docker, Kubernetes, Kafka, jQuery, Bootstrap, Android, Git, Eclipse, Linux

WORK EXPERIENCE

Deepsight AI Labs — Greater Noida, India
Computer Vision Engineer — May 2021 – September 2022

- Worked on Object detection model and reduced its inference time and increased the FPS by converting the FP32 model to INT8 by Quantization
- Created an object detection RPI platform for detecting helmets, masks, intrusion, etc., at Banks.
- Worked on deploying our completed platform on docker and scaling it using Kubernetes and Kafka for our project to work on multiple cameras.

DTAI Innovation Labs — Hyderabad, India
Artificial Intelligence Intern — Jul 2020- Jan 2021

- Worked as an AI software Engineer Intern, researched, implemented, and tested solutions based on computer vision and machine learning to meet the company's needs.
- Collaborated with various working professionals and senior leads to develop and deploy products.

UST Software India Pvt Ltd — Delhi, India
AI/ML Intern — May 2020 – July 2020

- During this intern, I worked on a project on the Development of a supervised Predictive model of GDP growth of India, which is successfully completed with 89 percent accuracy. For this project, we tried different models like linear Regression, MLP regressor, etc., with ARIMA Time series model for better future predictions and accuracy.

Earnest Fin-Tech — Mumbai, India
Software Developer Intern — Dec 19 – Apr 20 and Jan 21 - Apr 21

- Worked as a Software Developer, created an app and website for the company, created APIs, etc., as a team lead. I learned many tools like Android Studio, React Native, Postman, Databases, HTML, and CSS during my internship.
- Worked once again as an intern on Python, BeautifulSoup, and also upgraded the company's software.

ACADEMIC PROJECTS

- **GDP Prediction of India:** I worked on many Machine learning models like MLPregressor, linear regression, etc. The model with the highest accuracy was Linear regression with an accuracy of 89 percent, and I also used the ARIMA time series model for better prediction of future GDP.
- **Movie Genre Prediction from Movie Posters:** Collected Movie Poster dataset from IMDB and used a 7-layer Convolution Neural Network model for multi-label classification, which is similar to VGG net.
- **Online shopping cart:** Created an online shopping cart website using PHP, MYSQL, HTML, CSS, etc., with all features available in big e-commerce websites.
- **Object Detection Mobile app for blind people:** Trained a Convolutional Neural Network model and created an object detection mobile app using Tensorflow lite and COCO model. This project gives audio for directions of the objects for blind people.
- **Face Emotion Recognition Mobile App:** Trained a Convolutional Neural Network model using Tensorflow for detecting Face expressions and used an API provided by Tensorflow for using it in Mobile Application.
- **Cross Site Request Forgery and Session Hijacking:** Worked on this Ethical Hacking project using Burp Suite tool to change the data from API requests and also to exploit the web session.
- **Audio Steganography:** Researching on Audio steganography for increasing robustness, by embedding message bits into higher and multiple LSB layers by using a better algorithm which I hope would be completed in the future.