Aditya Bhat

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Qualification	Institution and Affiliation	Duration	Score
Bachelor of Engineering in **Information Science**	BMS Institute of Technology Karnataka affiliated to VTU Belgaum	2013-2017	70.5%
12th Grade	Mahesh PU College Udupi	2011–2013	86%
10th Grade	Little Rock Indian School Brahmavar	2010-2011	8CGPA

Professional Experience

AI/ML Engineer--- Thinking Stack, Bangalore/Karnataka--Oct 2020-- Current:

- Working on computer vision projects, using YOLO models.
- Annotated over 5000 images for training the model and its detection
- Used Unity and C# to create synthetic data for the collection of raw data.
- Developed models and projects using concepts like 'Shi-Tomasi Corner Detector & Good Features to Track', ' Scale Invariant Feature Transform'. etc.

Machine Learning Intern—DHS Informatics, Bangalore/Karnataka—Feb 2020—July 2020 :

- Built multiple Machine Learning models such as Linear Regression, Logistic Regression, Support Vector Machine, Random Forest, etc using the various datasets from Kaggle
- Implemented Artificial Neural Network on the datasets which showed improved accuracy on the test dataset.
- Worked on OpenCV. Obtained basics knowledge of Image processing.
- Gave KT to students on all the implemented projects and created documentation and reports for the same.

Technical Analyst—Oracle Financial Service Software Bangalore/Karnataka—Aug 2017–Mar 2019

- Resolved service request from various banking customers across the globe
- Handled bugs reported by customers and followed up with the development and Product Management Team
- Conducted meetings, managed client calls, fixed product bugs, and handled JIRAs assigned by Product Management Team
- Understood concepts in PL/SQL and various web servers such as IBM WebSphere, Oracle Weblogic

Projects Undertaken

- Fingerprint recognition with the high-resolution camera using OpenCV:
    - Detected ridges and bifurcations using edge detection system and calculated the Euclidian distance between them to recognize fingerprints.

- Implemented Bar Code/QR code detection in python using pyzbar library.
- Logo Detection for advertisement boards using the YOLO model.
    - Annotated images of logos were used to train the YOLO model
    - Logos of different companies and their screen Duration would be displayed.
- Safety vest, shoes, and helmet detection using YOLO model for the construction industry
    - After the detection the result would be reported on a customized dashboard. This was implemented to make sure, the employees of the company followed safety precautions and regulations.
- Preparation of synthetic data for theft detection model using Pose detection and RNN.
    - Used unity and C# to build an animated model to perform a list of suspicious actions, and captured screenshots of the entire animation every 20 degrees. It was then used to train the model
- Diabetes Detection and Heart diseases recognition
    - Used Support Vector Machines, Random Forest Artificial Neural Network, and Logistic Regression for the same problem to determine the best suited model.
- Classification of spam or legit mails, using Natural Language Processing.
- Women safety System based on Crimes in cities using Auto regression.
- Content-Based Image Retrieval(CBIR) system to retrieve images based on the input image.
- Drowsy detection system with OpenCV using image Contours.
- Hotel Recommendation System based on user ratings and user preferences using Recommenders System.
- Title: Image classification system using Convolutional Neural Networks.

Coursework and Certifications

- Completed course on 'Python for Data Science' from Udemy
- Completed course on 'Deep Learning Fundamentals' from Udemy.
- Completed a short-term course on Database Fundamentals from Microsoft at BMS Institute of Technology Bangalore

Paper Presentation

- Presented a paper titled SKY X technology at National conferences on "Advances in Information technology" conducted by Department of Information Science& Engineering held at SJB Institute of Technology Bangalore Karnataka;

Technical Skills :

- Python
- Machine Learning
- Computer Vision, Opencv
- C#
- Unity
- SQL
- Oracle dB
- C

Awards and Achievements

- Won 'Project of the Year' for 'Developing ERP for Torque, Dimension and Electrical Calibration for Flutech Engineering Pvt Ltd' during Seminar and Exhibition conducted by NMAM Institute off Technology Nitte, Udupi on August 2017

Extracurricular Activities

- Coordinated for college department fest “UTSAHA” in the year 2015 and organized extracurricular activities for the same, Bangalore, Karnataka
- Participated and won in cultural events like essay writing, debate etc in year 2000-2008.

Interests

- Exploring various libraries of computer vision.
- Building augmented reality applications, to create a whole new user experience
- Game Development in Unity using C#.
- Interested in volunteering for various social activities