Kevin Paul

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EXPERIENCE:

Capgemini | Data Science Intern **Jul 2021 - Aug 2021**

- Created and developed use cases for problem statements pertaining to Health Care Insurance Recommendation System for employees.
- Led a team on the project which dealt with worker attrition factors to initiate employee retentivity by assessing employee personnel factors.
- Won ***Project of the Month*** among **250** members of Millennial Garage at the age of 21.

Spritle Software | Machine Learning Intern **Oct 2020 - Nov 2020**

- Worked in a robust CV enhanced environment in which productivity rate was increased by **57%** and product satisfaction was **100%** during tenure.
- Involved in working with custom datasets which were analyzed and fine-tuned using YOLOv4 models to service international clients.
- Involved in fine-tuning custom CNN of real time SurveiLLENS.AI network.

3G Institute of Research & Policies | Machine Learning Intern **Dec 2019**

- Built a home security system surveillance using the Blynk Cloud Environment.
- Increased efficiency by **35%** for the pre-existing models through testing.
- Analytical work in creating a regression based model on appropriate living accommodation based on financial wellbeing.

EDUCATION:

College of Engineering, Guindy (Anna University)

B. Tech in Information Technology **(Exp. May 2022)**

- GPA: 8.4/10 (6 Semesters)

  Clubs and Societies:
  - ***Student Council:*** Head of Data Documentation for the IT Department.
  - ***The Guindy Times:*** Senior Content Columnist

Chettinad Vidyashram

Computer Stream **(March 2018)**

- 92 % in CBSE Boards. (94/100 in CSC)

PROJECTS:

Health Insurance Plan Recommendation Engine (Capgemini):

→ Created a Health Care Insurance Recommendation system using real time datasets factoring in to lower attrition. Used Random Forest Classifier and re-analysed with a confusion matrix to obtain a **98.99%** precision model. Led the team through an Agile system with smooth transition and no translation errors.

Optical Character Recognizer and Translator for Indic Languages (CeG, Anna University):

→ Detection and Recognition of Text through CRNN, Translation with a Google custom developed API and integration into a seamless mobile application using Flutter. This CRNN consists of ResNet for feature extraction, LSTM for generating prediction sequences and CTC loss function to calculate loss.

Dynamic Traffic Signal using Lane Density (CeG, Anna University):

→ A CV induced system using pre-trained models to detect vehicle density of lanes and assign traffic signals. Uses YOLOv4 and SSD pre-trained model along with priority initiation algorithm to decide traffic signal signs. Led the team and worked on the testing and training of object detection and priority assignment for vehicular lane weighted average.

STRENGTHS:

- ML Tools: Pytorch, Keras, Tensorflow, SciKitLearn
- Python,C++ & C trained programmer.
- IBM Certified Data Scientist.
- UMinn Certified Agile Software Specialist
- Tableau Certified Data Analytics expert

ACCOMPLISHMENTS:

- Winner x 6 District Football tournaments in School
- 3 x General Proficiency Awards throughout School.
- Winner of Best Freshman Footballer of The Year in Anna University.
- Winner of Best Drama from Bard's Beacon.