C-6, Veena Nagar, Sukhaliya,
Indore (M.P.), India - 452010

KARAN MITTAL

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EMPLOYMENT

Full Stack Engineer, Intern HemansAI Pvt. Ltd. **Sep 2020 – May 2020**
- Company Website – (https://hemansai.com/)
- Developed end-to-end solutions integrating deep learning and machine learning applications.
- Providing efficient backend solutions and perform deployment of the same

Data Scientist, Intern TorqueVision Labs LLC **Jan 2020 – Aug 2020**
- Company Website – (https://torquevision.ai/)
- Developed Deep Learning solutions for niche problems from scratch.
- Gathering Data and creating Clean Datasets, Data Visualization, Model Selection, Training, and Generating valuable Inference.
- Developed Interactive Dashboards and reports showcasing detailed analysis, visualization and provide Inference.

Technical Writer, Intern DataFlair Inc. **Feb 2019 – Dec 2019**
- Company Website – (https://data-flair.training/)
- Published article series on Django Framework.
- Developed various Django projects for the articles.

EDUCATION

Acropolis Institute of Technology &
Indore, (M.P.) **Research, Indore** **Aug 2017 – May 2021**
- B.Tech. in Computer Science Engineering. Current GPA: 8.5.
- Undergraduate Coursework: Data Structures; Operating Systems; Databases; Algorithms; Programming Languages; Comp. Architecture; Theory of Computation; Software Engineering.

PROJECTS

- **Resolution Plus** (2021). Web Application which is capable of generating higher quality upscaled images from lower quality input images. Python, Django, React.js, OpenCV, TensorFlow, DjangoRestFramework
- **Accepted-Risk Dashboard** (2020). Web Application to visualize and monitor the development of Covid19 around the world. Flask, React.js, Dash, Pandas, Python
- **ChangeRoom** (2020). Deep Learning Model Implementation where I succeeded to develop a style transfer model capable of transferring fashion apparels from Images. Python, PyTorch, OpenCV, Jupyter Notebook
- **Dynamic Person ID** (2019). Developed a Web Application for performing facial recognition and Image analytics on the provided Image. Python, Django, PyTorch
- **ImageEnhancer** (2019). A Web Application that utilizes Machine Learning to enhance images and pictures taken in low-light environments. Python, Django, PyTorch

ADDITIONAL EXPERIENCE AND AWARDS

- **Certificate of Recognition, MWB**: Mentored various students at MWB(Mentors without Borders)
- **Qualified SIH-(2020)-Intercollege Round:** Represent College in Smart India Hackathon 2020 for project **Dynamic Person ID** selected among 50 Teams.
- **Runner Up, IIPS Hackathon:** Awarded 2nd prize for ImageEnhancer Project, out of 70 Teams.

Languages and Technologies

- Python; JavaScript; C++; C;
- Django; Flask;
- PyTorch; TensorFlow; Keras; Pandas; fastai,
- async.io; requests; BeautifulSoup;
- Plotly; Dash; Matplotlib; Seaborn;
- React; D3.js; HTML; CSS;