Pranav Arora

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SKILLS

- **Artificial Intelligence**: Machine Learning, Deep Learning, Statistical Modelling, Data Wrangling;
- **Data Science Packages**: NumPy, Pandas, Scikit-Learn, matplotlib, CUDA, OpenCV, TensorFlow, Beautiful Soup, XGBoost
- **Database and Big Data**: MySQL, NoSQL (Mongo), Hadoop architecture, Spark
- **Web Development**: Front End- HTML5, Jade, CSS3, Bootstrap and Angular, Back End – PHP(Laravel) , NodeJS
- **Programming Languages:** Python, Flask, Bash Scripting, JSON, RESTful Web Services;

EDUCATION

Singapore Management University   **Jan 2019 – Apr 2020**
Master of IT in Business (Artificial Intelligence)
GPA: 3.12/4, Coursework: Algorithm Design, Applied Machine Learning, Reinforcement Learning, Knowledge Graphs

University of Petroleum and Energy Studies, India   **Aug 2014 – Jul 2018**
Bachelors with major in Computer Science (Business analytics)
Computer Science Gold Medalist– 3.69 GPA / 4

EXPERIENCE

HP Inc. [Singapore]   **May 2019 – Nov 2019**
Data Science Intern, Ink Supplies Operations Team
- Full Stack experience in machine learning: Built an end to end production grade image processing solution to automate smart measurement in the manufacturing line, saving up to 3 min per image set and 20 manhours per week.
- Analyzed and built predictive quality machine learning models for separating good versus bad printheads from x-ray image which lead to 5$ cost reduction per printhead.

Dell R&D[Bangalore, India]   **May 2017 – Jul   2017**
Software Engineering Intern, Application Developers' Team
- Analyzed and monitored application servers for server logs management and prevented servers' downtime using Splunk tool.
- Measured and administered software and hardware utilizations of the remote servers and presented abstracted information to the senior executives.

Samsung R&D[Delhi, India]   **May 2016 – Jul   2016**
Software Engineering Intern, B2B Team
- Collaborated with a team of interns to generate ideas contributing to a project for Indian railways.
- Constructed multiple modules for an app that would administer child trafficking on railway stations and engineered a solution for in-train chat app that would let a user connect to the people on train in case of emergencies.

Personal Projects (https://github.com/Pranav63)
- **Face Frontalisation using GAN's**   **March - April   2020**
  Developed a model by training two competing neural networks on side profile of an image to generate the entire face.   Built over Pytorch and the model was trained over Google cloud platform.
- **Recommendation Quiz - Data Science**   **August - Dec   2019**
  Built and Implemented data science quiz platform for enthusiasts to learn and answer harder questions by performing 80% correct in the previous rounds. Analyzed each user's data using knowledge graphs for very high efficiency.
- **E-Trade show Hosting WebApp Development**   **January - April   2020**
  Adapted PHP to build web-app for hosting a trade show where merchants can setup stalls and customers can buy accordingly.

ADDITIONAL

- Certifications & Publications: Harvard Business School- Business Analytics (2020), Innovations in SDN and NFV
- Language: Fluent: English, Hindi
- Volunteered - **Indus Action NGO** (2016-2018); **HEWWI** (Himalayan Environmental and women welfare) (2015);