Harman Deep Singh

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EDUCATION

GURU NANAK DEV UNIVERSITY
B.Tech in Computer Science and Engineering
Expected June 2021 | Amritsar, Punjab
CGPA: 8.63

MRS ARMED FORCES PREPARATORY INSTITUTE
CBSE 12th | Grad. June 2016 | Mohali, Punjab
Percentage: 81.4

ARMY PUBLIC SCHOOL
CBSE 10th | Grad. June 2014 | Amritsar, Punjab
CGPA: 9.8

LINKS

Github:// **hdsingh**
LinkedIn:// **hdsingh13**
Twitter:// **@hdsingh_13**
Medium:// **@hdsingh_13**

SKILLS

PROGRAMMING
Python • C++

Familiar:
Data Visualisation • Deep Learning • Git Version Control • Interactive Dashboards • Web Development

Frameworks:
HoloViews • GeoViews • Panel • Keras • TensorFlow • PyTorch

PLATFORMS
Windows • Linux

INTERESTS

Gyming • Promoting Open Source

EXTRACURRICULAR ACTIVITIES

Head of Technical Team, Computer Engineering Student Society •
Chief Organizer, Cess Summer of Code

EXPERIENCE

GOOGLE SUMMER OF CODE | Earth Science Information Partners
May 2019 - August 2019 | Online | Link to Project
- Created XrViz, an interactive GUI for visually browsing Xarrays.
- Implemented tests using Pytest framework with Travis Continuous Integration.
- Created documentation for the interface (xrviz.readthedocs.io).
- Learnt packaging, releasing on PyPi and Anaconda channels for distribution.
- Presented the interface in Anaconda demo friday and Pangeo weekly meeting.

CESS SUMMER OF CODE | Introduce students to Open Source
Organizer (May 2019 to July 2019)
- Organized the event in collaboration with OXO solutions.
- Handled planning, promotions and mentored the freshmen.
- Received Participation of 80+ students with 10+ from other states.

Participant (May 2018 to July 2018) | Secured 1st Position | Link
- Created Code Helper, an online notes ordering facility from different photostat shops in the university (each note has a unique code).
- Provided an effective solution for sharing notes and previous year papers.
- Developed the backend in Node.js.

SMART INDIA HACKATHON | IndiaNeoDesigns | Team Leader
March 2019 | Tirupati, Andhra Pradesh | GitHub | Blog
- Fetal Distress Classification, project to save innocent infant lives using Cardiotocography and CNN image classification.
- Implemented the paper ECG Arrhythmia Classification Using a 2-D Convolutional Neural Network using Keras with Tensorflow as backend.
- Achieved accuracy (70%) more than CTG experts (64.85%).

HACK ZERO TO ONE Secured Second Position | Team Leader
March 2019 | Amritsar, Punjab

PROJECTS

QUORA INSINCERE QUESTION CLASSIFICATION
Kaggle | Top 22 % | GitHub
- Implemented the paper Dynamic Meta-Embeddings for Improved Sentence Representations.
- Used Cyclic Learning Rate, Attention, Capsule Layer along with RNN architecture.

CUSTOMER MANAGEMENT SYSTEM FOR GYM | GitHub
- Created a website to add, show, update information of customers.
- Implemented automatic notification system for fees payment.

REAL ESTATE WEBSITE | GitHub | Link
- Created a website to search, show and update property listings.
- Developed the backend in Django.