Divya Krishnani

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LinkedIn
GitHub , Portfolio
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EDUCATION

Examination	University	Institute	Year	CGPA/%
Graduation	IIIT Naya Raipur	IIIT Naya Raipur	2016-20	8.97
Intermediate/+2	CBSE	KPS Bhilai	2016	90
Matriculation	CBSE	Holy Cross Sr. Sec. School Pension Bada,Raipur	2014	9

INTERESTS

- Machine Learning, Data Analytics, Image Processing, Competitive Programming, Web Development

EXPERIENCE

- **Research Intern at University of Malaya, Kuala Lumpur Malaysia**   May'18 - July'18
  Mentor: Dr. Shivakumara Palaiahnakote
  Developed a Computer Vision and ML-based framework to classify a person's abnormal behavior through posting images in social media. Publications submitted in IEEE TCSVT and TMM(In Review). Presented the work in Data Science Research Symposium,University of Malaya, published in E-Proceedings.

- **Intern at Fedo(Speslabs Private Limited), Bangalore**   Dec'17 - Jan'18
  Worked on the image processing module of the project to predict individual risks for diseases by extracting useful text information from low quality images for analysis.

- **Web Development Intern at Urban Gauge(Virtual)**   July'17 - Sept'17
  Headed the company's real estate Wordpress based website by adding web pages and managing the website. Improved the visibility of a website in search engines.

ACADEMIC PROJECTS

- **Early Prediction of Chronic Diseases using Machine Learning**   Ongoing
  Mentor: Dr. Srinivas Naik, IIIT Naya Raipur
  - Currently working to develop a Convolutional Neural Network based model to predict the risk of chronic diseases using existing chronic disease datasets.
  - **Tech Stack:** Python, Keras, Hadoop

- **Detection of Road from vehicle scene for autonomous driving systems**   July'18-Nov'18
  Mentor: Dr. Ankit Chaudhary, IIIT Naya Raipur
  - Developed an Image Processing based model to detect roads in videos for autonomous vehicles using curve fitting. Optimized the model to work for different light conditions in a day.
  - **Tech Stack:** Python, OpenCV (Open Source Computer Vision Library) [GitHub]

- **Student Registration System**   July'18-Nov'18
  Mentor: Dr. Ankit Chaudhary, IIIT Naya Raipur
  - Designed a web-based framework to manage the admission process of BTech candidates in IIIT-NR starting from registration to seat allotment for CG state students based on IIT-JEE Mains scores.
  - **Tech Stack:** Django, PostgreSQL, Python, HTML5, CSS, Javascript, Bootstrap Framework[GitHub]

- **Real-Time Face Recognition Tracking and Tagging in Video**   Jan'18-April'18
  Mentor: Dr. Muneendra Ojha, IIIT Naya Raipur
  - Implemented a Face Recognition Model to recognize a person's face specifically in video surveillance of IIIT- NR, used CNN for face alignment, google's pre-trained model inception and facenet.
  - **Tech Stack:** Python, TensorFlow, OpenCV

- **Online Student Feedback System** Sept'17 - Dec'17
  Mentor: Prof. O.P. Vyas, IIIT Naya Raipur
    - Designed a web application for collecting feedback from students about services offered by ITC (Information Technology and Communication) department of IIIT Naya Raipur.
    - **Tech Stack:** HTML5, CSS, Javascript, Bootstrap, LAMP(Linux, Apache, MySQL, PHP) [GitHub]

- **Hostel Management System** Oct 2017
    - Developed a web application to handle various activities of a hostel handling students information, feedbacks and complaints.Showcased in the final round of Vigyaan Aavartan, NIT Raipur Techfest.
    - **Tech Stack:** HTML5, CSS, Javascript, Bootstrap, LAMP(Linux, Apache, MySQL, PHP) [GitHub]

- **Automatic Street Light** March'17 - May'17
  Mentor: Dr. Debanjan Das, IIIT Naya Raipur
    - Created an IoT based Smart Street Lighting System for energy saving on highways by detecting vehicles and glowing the needed block of lights.
    - Implemented with IR Sensors and Arduino Uno

TECHNICAL SKILLS

- **Languages**   : C, C++, LaTeX, Verilog HDL(Basic), Java
- **Script**   : Python, Linux Shell Scripting
- **Web Technology**   : HTML5, CSS3, Bootstrap, Django, Javascript, PHP, MySQL, PostgreSQL(Basic)
- **Libraries/Packages** : OpenCV ,Tensorflow, NLTK, Scikit-Learn, Scipy, Matplotlib, Tesseract-OCR
- **Operating System**   : Windows, Linux
- **Applications**   : Jupyter Notebook, Weka, Oracle Database
- **Hardware**   : Arduino Uno, 8086 Microprocessor Programming

ACHIEVEMENTS

- **Coding,** Qualified for ACM-ICPC 2018 Gwalior Regionals with college rank 2 and AIR 618
- **Winner,** Octocat Design by GitHub in HackDUnhackD (Hackathon, Technovate 2018 IIIT Naya Raipur)
- **Finalist,** Top 5 of 50 teams in Aavartan (Technical Fest of NIT Raipur), National Science Exbhition
- **Coding,** CodeChef SnackDown Online Qualifier 2017 with 3887 position in Pre-Elimination Round
- **Winner,** Technovate 2017 (Techno-Cultural Fest of IIIT Naya Raipur), IIIT wants to know(Journalism)
- **Top 99 Percentile Score,** JEE-Mains and, AIR 17242 in IIT-JEE Advance among 1.5 million candidates
- **2nd Level NSO,** State Rank- 14 and International Rank- 267 in 2nd Level SOF-18 National Science Olympiad with a Gold Medal in 1st Level with 1st position at School Level

POSITIONS OF RESPONSIBILITY

- Senior Coordinator of Training and Placement Cell, IIIT Naya Raipur
- Part of Organising team of Connaissance, Literary Fest of IIIT Naya Raipur
- Volunteer in Technovate, Techno-Cultural Fest of IIIT Naya Raipur
- Organized and Conceptualized various interschool and intraschool events as the Cabinet Minister of Holy Cross Sr. Sec. School Pension Bada Raipur C.G.