

Divya Krishnani | CSE

Software Engineer, Microsoft Hyderabad, India

International Institute of Information Technology, Naya Raipur, India

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Educational Qualifications

B-Tech	Computer Science and Engineering	IIIT Naya Raipur	2020	9.12
AISSCE	CBSE Board	KPS Bhilai	2016	90%
AISSE	CBSE Board	Holy Cross S.S. School Pension Bada, Raipur	2014	9

Academic Projects

- **Deep Learning** | Neural Image Captioning using CNN and LSTM, 7th Sem Minor Project
- **Machine Learning** | Early Prediction of Chronic Diseases using Python, 6th Sem Minor Project
- **Computer Vision** | Detection of Road from vehicle scene using Python, 5th Sem Mini Project
- **Web App** | Student Registration System using Django and PostgreSQL, Software Eng. Course Project
- **Computer Vision** | Face Recognition in Videos using CNN, google's pre-trained model and facenet
- **Web App** | Online Student Feedback System using PHP and MySQL, DBMS Course Project

Working Experience

- **Software Engineer – Microsoft, Hyderabad, India** **July'20 - Present**
- **Software Engineer Intern – Microsoft, Hyderabad, India** **Jan'20 – June'20**
- **Software Engineer Intern – Microsoft, Hyderabad, India** **May'19 – July'19**
Performed Data Analytics on Microsoft Devices Design Data. Leveraged Azure ML Studio, Azure Web Services and PowerBI for implementation.
- **Research Intern - University of Malaya, Kuala Lumpur Malaysia** **May'18 - July'18**
Developed a CV & ML-based model to classify a person's behavior through social media pictures.
- **Image Processing Intern - Fedo(Spesslabs Private Limited), Bangalore** **Dec'17 - Jan'18**
Worked on a module of the project to extract useful text information from low quality images

Achievements

- **Finalist** | Cleared TechGig Geek Goddess 2019 online coding round, participated in finale at Bangalore
- **Hackathon** | Secured 2nd position in the ideation phase of Microsoft Hackathon Kick-start 2019
- **Data Science** | Secured 1st position in Backyard Data Science event in Technovate 2019 IIIT Naya Raipur
- **Coding** | Qualified ACM-ICPC 2018 Gwalior Regionals, college rank 2, AIR 618, Regional finale rank 98
- **Winner** | Octocat Design by GitHub in HackDUnhackD (Hackathon, Technovate 2018 IIIT NR)
- **Finalist** | Top 5 of 50 teams in Aavartan (Technical Fest NIT Raipur), National Science Exhibition
- **Coding** | CodeChef SnackDown Online Qualifier 2017 with 3887 position in Pre-Elimination Round
- **2nd Level NSO** | State Rank- 14 and International Rank- 267 in 2nd Level SOF-18 NSO.

Publications

- **Krishnani, D., Shivakumara, P., Lu, T. et al.** A new context-based feature for classification of emotions in photographs. *Multimed Tools Appl* (2021). <https://doi.org/10.1007/s11042-020-10404-8>
- **D. Krishnani, A. Kumari, A. Dewangan, A. Singh, N. S. Naik,** "Prediction of Coronary Heart Disease using Supervised Machine Learning Algorithms," *TENCON 2019 - 2019 IEEE Region 10 Conference (TENCON)*, Kochi, India, 2019, pp. 367-372. <https://ieeexplore.ieee.org/document/8929434>
- **D. Krishnani, P. Shivakumara, T. Lu, U. Pal, R. Ramachandra,** "Structure Function based Transform Features for Person Behaviour-Oriented Social Media Image Classification", *5th Asian Conference on Pattern Recognition (ACPR)*, 2019. https://doi.org/10.1007/978-3-030-41404-7_42
- **D. Krishnani, P. Shivakumara, T. Lu, U. Pal,** "Person Abnormal Behaviour Identification through Posting Images in Social Media", *Data Science Research Symposium*, 2018.

Skills

- **Languages & Script** | C, C++, LaTeX, Verilog HDL(Basic), Java, Python, Linux Shell Scripting
- **Web Technology** | HTML5, CSS3, Bootstrap, Javascript, Django, PHP, MySQL, PostgreSQL
- **Libraries/Packages** | OpenCV, Tensorflow, Scikit-Learn, Scipy, Matplotlib, Tesseract-OCR

Positions of Responsibility

- Senior Coordinator of Training and Placement Cell, IIIT Naya Raipur
- Volunteer in Technovate, Techno-Cultural Fest of IIIT Naya Raipur
- Education Cabinet Minister of Holy Cross S.S. School Pension Bada Raipur C.G in 10th Standard