Rigvita Sharma

B.E. (Hons.) Computer Science (2016-2020)
Birla Institute of Technology & Science, Pilani
Pilani, Rajasthan - 333031

+91-7727983345
f2016067@pilani.bits-pilani.ac.in
github.com/Ri7Sh
www.linkedin.com/in/rigvita-sharma-758633140/

WORK EXPERIENCE

Summer Intern, Institute of Seismological Research (ISR), Gandhinagar – *Summer, 2018*

Mentor- Ketan S. Roy, Geophysicist Automated Moment Tensor Inversion Technique using **SAC, CPS libraries and shell scripting**. Hosted a **website** to display this data along with data extracted from first focal mechanism from Seisan.

PROJECTS

Early prediction of Heart Attack using data mining techniques —*Jan–May 2018*

Mentor – Dr. Yashwardhan Sharma (Course Project)
Implemented the original research paper by Vikas Chaurasia using python libraries. Compared the Cohen Kappa Score, RMS Error and Mean absolute error for **CART, ID3 and Random Forest Ensemble Classifier**.

Development of communication tower and power line monitoring using drones — *Aug - Dec 2018*

Mentor – Dr. A. S. Mandal, CEERI, Pilani (Course Project)
Working on **cognitive load assessment using EEG power spectrum analysis** on drone flying. Implementing machine learning model using MATLAB and EEGLab.

Checkmate — *Feb 2018*

An aptitude quiz with the ultimate goal to successfully complete a picture puzzle. Designed the gameplay using Django Framework and worked on ideation and the aptitude questions.

Deal with Distractions — *March 2017*

Designed the gameplay using HTML, CSS, Javascript and Django. Developed storyline based on the theme of women in tech to encourage women.

POSITION OF RESPONSIBILITY

ACMW, BITS Pilani Chapter, Pilani — Chair

August 2018 - Present (Event Coordinator, Aug 2017 - July 2018)
Managed the events conducted by the student chapter throughout the year and mentored juniors through workshops.

National Service Scheme, BITS Pilani, Pilani— Computer Literacy Programme *Executive Committee Member*

May 2017 - May 2018
Coordinated with higher representatives, guided volunteers and planned programs for activities relating to computer literacy in and around Pilani, throughout the year.

ACM, BITS Pilani Chapter, Pilani — *Event Coordinator*

Jan- Feb 2018
Managed and conducted Checkmate during Apogee 2018, technical fest of BITS Pilani.

SKILLS

Programming: C, C++, Java, Python, Octave, Prolog , Matlab
Web Technologies: HTML, CSS, Javascript, PHP
Softwares/Frameworks: MySQL, Git, Django, AutoCAD, MASM, GMT
Python Libraries:Scikit Learn, Beautiful soup, Scrapy, Tkinter, Turtle, Numpy, Panda
Operating Systems: Linux, Windows

EDUCATION

BITS Pilani, Pilani —
B.E.(Hons.) Computer Science
2016- Present   CGPA - 7.69/10

Subodh Public School, Jaipur —
Class 12
2015   95.2% - CBSE

Subodh Public School, Jaipur —
Class 10
2015   CGPA - 10/10 - CBSE

EXTRA-CURRICULAR

Second Runner Up in Startup Weekend organized by CEL in Apogee–2017
Journalist at Hindi Press Club during Aug, 2016–Jan, 2017.

COURSEWORK

Data Mining, Machine Learning*, Neural Networks & Fuzzy Logics*, Operating System*, Data Structure and Algorithms, Database Systems, Object Oriented Programming, Logic in CS, Computer Programming

MOOC

Neural Networks and Deep Learning