

Ramesht Shukla

Student

Phone 7387486158

Email ramesht3704@gmail.com

LinkedIn [linkedin.com/in/ramesht-3704/](https://www.linkedin.com/in/ramesht-3704/)

GitHub github.com/ramesht007

A technology enthusiast, budding data scientist, and system administrator having various skills for current industry requirements. I have a great interest in acquiring new skills related to my interest and not afraid of being a beginner.

Education

Bharati Vidyapeeth (Deemed to be University) College of Engineering, Pune

Pune, India

Bachelor of Technology in Electronics Engineering | CGPA: 7.2 / 10

July '16 - Present

Relevant Coursework: Digital Image Processing, Neural Networks, and Fuzzy Logic, Wireless Communications, Digital Signal Processing, Computer Networks

Technical Strengths

Programming Languages

Python, R, SQL

Tools

SkLearn, Keras, TensorFlow, Git, PyTorch, Amazon Web Services, Google Compute Engine

Area of Interests

Signal Processing, Linux, Deep Neural Networks, Ensemble Learning

Internships

Indian Institute of Technology, Indore

Indore, India

Research Intern

Jun – Aug '19

- Worked on Condition monitoring of mechanical systems.
- Implemented Discrete Wavelet Transform to pre-processes the signals obtained from bearings and created a prediction model to help predict the fault in bearings.
- Also worked on various Mechanical and Bio-medical applications of machine learning and deep learning and implemented them using MATLAB software and Python programming language.

Research Design & Standards Organisation

Lucknow, India

Summer Intern

Jun- July '18

- Took internship under the research directorate, Instrumentation Laboratory.
- Worked on various instruments used by Indian Railways for fault detection, circuit designing, load testing, oscillation measurement, track fault detection, and load testing for carriages and bogies.

National University of Singapore

Singapore

Trainee

Dec '17 – Jan '18

- Completed 4-Weeks Intense training program in “Big Data Analytics using Artificial Neural Networks”
- Undertook a 1-Week program conducted by HPE on “Big Data and Hadoop System Administration”

- Performed an Exploratory Data Analysis and predicted Electricity bill for one year using the yearly electricity consumption data.

Projects

Train Delay Analysis and Prediction Methodology for Indian Railways

Oct '19 – Jun '20

- Using data mining extracted the train delay data from various sources of the internet and combined them to form a detailed 10 years, time-series data which can be further used for exploratory analysis.
- Performed exploratory analysis and predicted train delays using train delay data using time series algorithms.
- This project has been done in collaboration with the Government of India, Ministry of Railways, Research Design and Standards Organisation (RDSO), Lucknow, India.

Biomedical Imaging - detecting pneumonia lungs using X-ray images

Jan '19 – Feb '19

- Using chest X-ray of normal and pneumonia lungs an in-depth data analysis was conducted using various image processing algorithms to enhance features of the images.
- Performed analysis and predicted the diseased lungs using the enhanced images.

Weather_App

July '18 – Aug '18

- Uses Google's Geolocation API to get the location of the area and dynamically gives longitude and latitude to the weather API to give the temperature of the location.

Chat_bot

March '19 – May '19

- Used the Concepts of Neural Machine Translation (NMT) to enhance the performance of the chatbot.
- More than 1 billion comments from Reddit were used as training data.
- Used SQL for data organization and buffering.

Volunteer and Other Experience

TEDxBVDU, Pune

July '17 – Apr '18

Volunteer

- Designed posters and T-shirts as a part of the designing team.
- Coordinated and managed the design of Intro video for the event.

Pycon India 2018, Hyderabad

July '18 – Oct '18

Volunteer

- Designed various posters for the sponsors and workshops.
- Designed 10 years celebration video for the event.
(YouTube Link - <https://www.youtube.com/watch?v=Dsvlbt7lv4g>)
- Managed and coordinated various workshops and talks at the event.

Mozilla Campus Club

July '18 – Apr '19

Co-Founder

- Collaborated with Mozilla India to organize various informative sessions and workshops to promote open source collaboration.
- Successfully delivered 1-Week workshops on technical topics such as machine learning, python, Linux, and big data.
- Organized and Managed workshop on the topic 'Role of Linux in enterprises' of 150 students by Redhat professionals.
- Organizer and Coordinator of FIBBLE'19 which was a 2-day technical event comprised of various competitions and tech talk from various industry professionals.

Network Security Group

July '17 – Jun '18

Designing Head

- Designed videos and Posters for various events around the year.
- Took informative sessions on Adobe Photoshop and Adobe Illustrator to train the members of the designing team.

Certificates

Big data in Hadoop and System Administration

Jan '18

Blockchain for Business

July '18

Diploma in Network Security

July '19

Publications

1. "Comparing the capabilities of transfer learning models to detect skin lesion in humans", Proceedings of the iMeche, Part H: Journal of Engineering in Medicine. (Accepted)