

Name: Anand Panchbhai

PERSONAL INFORMATION

 G-20 IIT Bhilai Boys hostel, 492015 Raipur (India)

 07440934465

 anandp@iitbhilai.ac.in

 Google Hangouts Anand Panchbhai

Sex Male | Date of birth 16/08/1997 | Nationality Indian

JOB APPLIED FOR Internship

WORK EXPERIENCE

09/05/2018–20/07/2018

Software Engineer

Max Secure Software, Pune (India)

<https://www.maxpcsecure.com/>

Application of machine learning in malware detection (For Microsoft Windows executable files).

- Researching in the area of machine learning to help detecting zero day malware and ensuring a high accuracy in the detection of legitimate(useful windows executable) software as not harmful.
- Developing statistical algorithms and providing concrete proof of concept for the same, to be later implemented as part of the final product in the company's malware security tools.
- Successfully proved and enabled the implementation of one such machine learning algorithm that made it to the final product within the span of 3 months of the internship.

Business or sector Cyber Security

01/05/2017–31/07/2017

Research Intern

Indian Institute of Technology Hyderabad, Hyderabad (India)

Application of machine learning in adaptive streaming.

- Submitted a paper to IEEE for being published in TCSVT journal (IEEE Transactions on Circuits and Systems for Video Technology).
- Cleaning the data.
- Predicting QoE(Quality of experience) of a user watching videos streamed online, by employing different approaches ranging from autoregressive linear regression to RNN with LSTM cells.
- Comparison of LSTM with State Space Models
- Documenting the research.

08/01/2018–30/03/2018

Software Engineer

Nex Fitzap Pvt. Ltd., Raipur (India)

Machine Learning

Frontend designer and developer

EDUCATION AND TRAINING

01/08/2016–Present

Indian Institute of Technology Bhilai

Sejbahar, 492015 Raipur (India)

www.iitbhilai.ac.in

Computer Science and Engineering

PERSONAL SKILLS

Mother tongue(s) Hindi, English

- Job-related skills
- Grip on machine learning concepts.
 - Good command over programming languages : C and Python in particular.
 - Intermediate proficiency in C++.
 - Good proficiency in Linux based development environment.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Independent user	Proficient user

Digital skills - Self-assessment grid

- Python including libraries such as Matplotlib, Numpy and Tensorflow.
- Good knowledge and practice of C language.
- Good proficiency in Linux based development environment.
- Intermediate proficiency in Reactjs and Django.
- Intermediate proficiency in C++.
- Search engine optimisation.
- HTML and CSS .
- Microsoft office and Libre office.
- Cloud computing - (Amazon Web Services).
- Design and creation using tools like GIMP.

ADDITIONAL INFORMATION

Conferences BBC Fighting fake news: Was accepted to be a part of the BBC Fighting fake news challenge that will focus on detection of fake news and prevention of spreading of fake information over the internet, including textual data ,images and videos. I propose a machine learning approach to predict the veracity of the textual content.

Honours and awards DRUSE 2017: Leader of the national level team in DRDO robotics and unmanned system exposition. The work included :

- Designing unmanned vehicle to enable mobility in snow bound areas.
- Application of reinforcement learning in autonomous driving (of the unmanned vehicle in a completely unknown terrain).