europass Curriculum vitae

PERSONAL INFORMATION

Aniruddha Parvat

Mindtree ltd, Global village,RV Vidyaniketan, RR Nagar, 560098 Bengaluru (India)

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WORK EXPERIENCE

22 Jul 2017–Present

Senior Engineer

Mindtree, Bengaluru (India)

- Developing REST APIs and event driven systems using Java, JavaScript, Apache Cassandra, Hazelcast.
- Part of architecture team responsible for improving non functional requirements of the system.
- Moving from Cassandra database to Scylla db.
- Revamped the logging system by including the ELK stack and implementing contextual logging.
- Developing system monitoring tools using Prometheus and Grafana.
- Making the application GDPR complaint.

EDUCATION AND TRAINING

2010–2011

Certificate of Continuous and Comprehensive Evaluation

Sinhgad Public School, Lonavala (India)

2011–2013

Higher Secondary Certificate

Yashwantrao Mohite College of Arts Science and Commerce, Pune (India)

2013–2017

Bachelor of Engineering (Computer)

Sinhgad Institute of Technology, Lonavala (India)

PERSONAL SKILLS

Mother tongue(s): Marathi

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Hindi	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Job-related skills

- Programming Languages : Java, JavaScript, Python, GoLang.
- Java Frameworks : Spring boot, Hibernate.
- Database : Apache Cassandra, Scylla, MySQL, Hazelcast.
- Python libraries : Numpy, Pandas, scikit-learn, Plotly, Keras, Tensorflow.
- Other tools : Prometheus, Grafana, ELK stack.

Digital skills

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

Digital skills - Self-assessment grid

ADDITIONAL INFORMATION

Publications

A survey of deep-learning frameworks

- Publication date : 2017/1/19
- Publisher : IEEE
- Conference : 2017 International Conference on Inventive Systems and Control (ICISC).
- Citations : 19
- Description : A survey of deep learning frameworks and libraries like TensorFlow, Torch, Caffe, Theano, Deeplearning4j. Compared the libraries by their modeling capability, interfaces available, platforms supported, parallelizing techniques supported, availability of pre-trained models, community support and documentation quality.

Network Intrusion Detection System Using Ensemble of Binary Deep Learning Classifiers

- Publication date : 2017/8/18
- Publisher : Springer
- Conference : International Conference on Smart Trends for Information Technology and Computer Communications.
- Citations : 2
- Description : Proposed and developed a NIDS using multiple one-vs-all binary deep learning models. Accuracy, precision, recall and f1-score values for both binary as well as five class classifier was evaluated on the benchmark data set, NSL-KDD.

Honours and awards

- Outstanding Performer of the Year 2017-2018, Mindtree
- Outstanding Performer of the Year 2018-2019, Mindtree

Projects

- Network intrusion detection system using deep learning classifiers.
  - Two staged NIDS evaluated.
  - 81.37% accuracy on test set.
  - Used Python, Keras, Pandas, sk-learn, Matplotlib.
- Host based intrusion detection system using recurrent neural networks.
  - Dataset : ADFA-LD.
  - 95% accuracy test set.
  - Used Python, Pandas, TensorFlow.
- Flight delay prediction
  - Domestic flight performance data from U.S. Department of Transportation's (DOT) Bureau of Transportation Statistics combined with weather scraped from 'www.wunderground.com' and airport data scraped from Wikipedia. Date features like holiday, weekends, day of the week were extracted from flight date.
  - Last 30 days of data was considered as test data. Final Random Forest model had 90%

accuracy on the test data.
- Used Python, Pandas, BeautifulSoup, sk-learn, Plotly, Streamlit.

- Portable generator
  - Java utility to generate 'writePortable()', 'readPortable()' and class definition automatically for any class for faster serialization.

- FastMQ
  - Fast durable message broker that is designed to be fast above everything else.

- 4by4
  - A puzzle game developed in C#. Published on Windows app store.

Coursera courses

- The Data Scientist's Toolbox
- R Programming
- Getting and Cleaning Data
- Neural Networks and Deep Learning
- Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization
- Structuring Machine Learning Projects
- Convolutional Neural Networks
- Programming for Everybody (Getting Started with Python)
- Python Data Structures