joydeep bhattacharjee

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I am a pragmatic programmer and my primary interests lie in building scalable high performance data pipelines to meet for industrial machine learning models. I am an open source enthusiast and believe in a culture of knowledge sharing. My current responsibilities also involve being the team lead for my team.

Specialties: Data munging, data exploration, Data pipelining, statistical modeling, machine learning algorithms and data visualization.

Technical Skills

Likes: machine-learning python scikit-learn elasticsearch neo4j

Experience

Technical Lead - Machine Learning Platform – Nineleaps Technology Solutions   *May 2017 → Current*
python, data-science

As an individual contributor.

- Develop, Optimize and improve existing data pipelines to support our growth, initiatives around performance and scalability.
- Thoroughly understand software requirements, deliverables and timelines.
- Unit and system test new services, releases and software upgrades.
- Develop initiatives on ensuring data quality, accuracy and reliability.
- Researching, prototyping and developing machine learning and statistical models to more accurately forecast, mine and segment data.
- Evaluate emerging datasets and technologies that may contribute to our analytical platform.

As a technical lead.

- Ensure that all software developed within the team satisfies the business requirements as specified.
- Participate and lead discussion in sprint plannings, design reviews and all team related matters.
- Assume a high level of ownership of all software developed by the members of the team.
- Actively contribute to the process of continual improvement, with regard to self, team members and process using various methods such as effective retrospections, discussions and one-on-ones.

Category Head, Python at HackerEarth – HackerEarth   *Nov 2016 → May 2017*
python, django, flask

- Understand user requirement from a python perspective
- work on the practice section.
- curating questions for challenges
- work on the mailing platform.

Software Engineer – SLK Software Services Pvt Ltd   *Aug 2015 → Oct 2016*
python, websphere

- Design, develop and implement applications appropriate to business needs and requirements.
- Interface with customers to identify and understand their business goals.
- Troubleshooting and error detection in various applications
- Provide strategic organizational direction in developing applications.
- Identify and define plans, methodologies and deliverables for assigned projects and releases
- Develop system documentation protocols.

Systems Engineer – Tata Consultancy Services   *Dec 2011 → Jul 2015*
python, websphere, web

- Developed various custom automation tools for various tasks
- configuration and other administration of J2EE applications
- researching technology options for customer needs
- Provided good documentation for use by other team members.
- Troubleshooting and error detection in various applications

Education

Bachelor of Technology – National Institute of Technology Silchar   *2007 → 2011*
electrical

Projects & Interests

Machine Learning Trainer at Tecmax – http://www.tecmax.in/index.html   *Jan 2018 → Current*
python, machine-learning

Teach industry professionals on machine learning and python.

flawcode – https://github.com/infinite-Joy/flawcode   *Sep 2016 → Current*
python

this is the source code for the awesome technological podcast flawcode.com

stock-analysis – https://github.com/infinite-Joy/stock-analysis   *Nov 2015 → Current*
python

This is a simple stock analysis software for Indian stocks inspired by guidelines from the guidelines of the father of security analysis and value investing, Benjamin Graham.

Public Artifacts

joydeep bhattacharjee - YouTube – https://www.youtube.com/channel/UCkgbnb9ibABSL5X9Au-8mIA   *Jan 2018*
machine-learning

Joydeep YouTube channel

Basics Of Statistics For Machine Learning Engineers II – https://medium.com/technology-nineleaps/basics-of-   *Oct 2017*
statistics-for-machine-learning-engineers-ii-d25c5a5dac67
machine-learning

More essential statistical concepts

What Is Machine Learning? – Technology@Nineleaps – Medium – https://medium.com/technology-   *Sep 2017*
nineleaps/what-is-machine-learning-8f4f117a9f4e

A look into the field of machine learning

Python | HackerEarth – https://www.hackerearth.com/practice/python/   *May 2017*
python

Detailed tutorials to improve your understanding of Python.

Others

fastText Quick Start Guide – Book   *Jul 2018*
python, machine-learning, nlp, fasttext, command-line, gensim

A book targeted towards data analysts, data scientists, and machine learning developers who want to perform efficient word representation and sentence classification using Facebook's fastText library.

Readings

Programming Pearls – Jon Bentley – https://www.amazon.com/Programming-Pearls-2nd-Jon-Bentley/dp/0201657880

A very good book focusing on algorithms and has very interesting war stories surrounding them

Working Effectively with Legacy Code – Michael C. Feathers –
https://www.goodreads.com/book/show/44919.Working_Effectively_with_Legacy_Code

This book is mainly about making your legacy systems more malleable, flexible and easy to change.

Tools

Favorite Editor: Vim