



Dr. Shubham Dipt

Data Scientist

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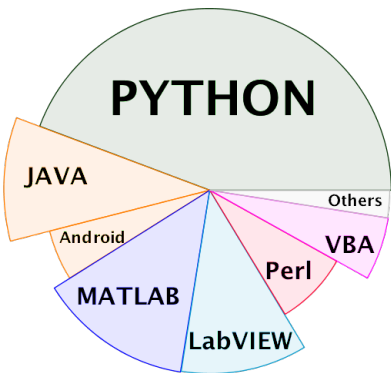
Web & Git

shubhamdipt.com
LinkedIn
Bitbucket
GitHub

OS Preference

MacOS ★★★★★
GNU/Linux ★★★★★
Unix ★★★★★
Windows ★★★★★

Programming



Experience

- 09/17 - present **Data Scientist** [Nexern GmbH, Berlin, Germany](#)
Extraction, organization and interpretation of data.
Building and maintaining the software infrastructure for big data analysis.
Implementation of machine learning algorithms.
Development of statistical methods and tools.
Backend development of the product.
- 02/17 - 07/17 **Data Engineer** [Styla GmbH, Berlin, Germany](#)
Collecting data to offer the best possible experience for customers.
Taking responsibility and decisions on the technologies to use and on the way user stories are implemented.
Participation in architecture decisions, complex development tasks and challenging projects around image analysis, data mining, machine learning and our layout algorithms.
- 09/16 - 02/17 **Python/Django Full-Stack Developer** [Lumenaza GmbH, Berlin, Germany](#)
Django CMS
Developing frontend and backend of website
Maintaining the database
Coding and code review
Building new features
- 06/15 - 08/16 **Senior Python Developer** [123makler, Berlin, Germany](#)
Developing and maintaining backend of website using Django
Maintaining the database
Deployment using CloudControl and Heroku
Coding and code review
Building new features
Estimating and assigning new tasks
- 08/11 - 05/15 **Ph.D in Computational Neuroscience** [MPI-DS Göttingen, Germany](#)
Data mining using Python and MATLAB
Image processing and analysis
Machine learning algorithms
Controlling equipments using LabVIEW
- 08/10 - 05/15 **Co Founder & Developer** [HigherEduHelpline, Kolkata, India](#)
Founded the website
Design and maintenance
Development and deployment
Maintenance of database
Building new features
Estimating and assigning new tasks

Personal Skills



Languages

English ★★★★★
German ★★★★★

Profile

Data Scientist/Engineer with background in Computational Neuroscience (Ph.D)

I did my Ph.D in computational neuroscience which involved intense data analysis and implementation of machine learning algorithms. Since then I have enhanced my technical skills in diverse fields ranging from web development to data engineering. Programming, problem solving and data analysis define my passion. Due to quick problem solving ability, it makes me one of the key members of the company. I am also quick in learning new techniques, which makes me successful to adapt in different departments.

Skills

Languages	Python, JAVA, JavaScript, Android, Perl, MATLAB, LabVIEW, VBA, HTML, PHP, CSS, \LaTeX
Database	MySQL, PostgreSQL, SQLite, NoSQL
Big Data skills	Amazon Elastic MapReduce, Hadoop, Amazon Redshift, Spark, Elasticsearch, AWS Lambda, AWS Step Functions, Amazon API Gateway, Kafka, MicroStrategy
Machine learning	Regression, Clustering, Decision tree, Dimensionality reduction, Bayesian, Neural networks
Web framework	Django, Django CMS, Flask, Pyramid
Technologies	PySpark, Spark SQL, Kafka, Luigi, Git, Virtualenv, RESTfull methodology, Pug, Sass, Grunt, JSON/XML, Redis, DjangoRQ, Python unittest, Python Mock, Celery, Fabric, Cloudinary, Gunicorn, Jenkins, Sendwithus, Pipedrive, Sentry, Stripe
Deployment	AWS, Heroku, Jenkins
Development	PyCharm, IntelliJ IDEA, Eclipse, Sublime, Vim, Vagrant/Docker
Image Analysis	ImageJ Plugins development, MATLAB Image processing toolbox, Metamorph
Hardware	NI-VISA, Arduino platform
Methodologies	Agile, Scrum, Kanban
Android Apps	Goe-BUS, Jumping Man

Education

2011 - 2015

Doctor of Philosophy (Ph.D)

[Georg-August-Universität Göttingen](#)

[Max Planck Institute for Dynamics and Self-Organization](#)

Title of the Thesis: *"Neuronal mechanisms of odor classification in the Drosophila antennal lobe: an optical imaging study"*.

Supervisors: Professor André Fiala, Professor Marc Timme & Professor Detlev Schild