



# Dr. Shubham Dipt

Head of Business Intelligence

## Location

Berlin, Germany

## Contact

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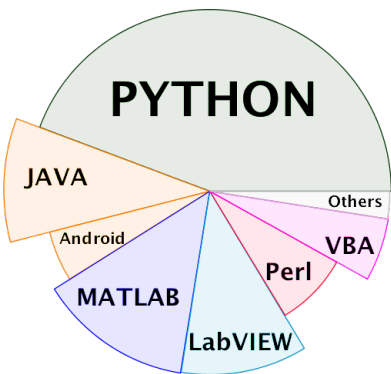
## PyPI & Git

PyPI  
GitHub  
Bitbucket

## OS Preference

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

## Programming



## Experience

- 09/21 - present **Head of Business Intelligence** [iGaming.com, Berlin, Germany](#)  
Collection and management of BI data.  
Development and maintenance of data pipelines.  
Infrastructure orchestration and server management.  
Implementation of statistical methods and machine learning algorithms.  
Development of BI services including backend and frontend.
- 09/17 - 08/21 **Full-Stack Data Scientist** [iGaming.com, 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.  
Development and deployment of analytical interfaces.
- 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.  
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  
Code review, 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

## 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 and jobs ranging from web development to data engineering to data scientist. Programming, problem solving and data analysis define my passion.

## Skills

<b>Languages</b>	Python, Shell, JAVA, JavaScript, React Native, Perl, MATLAB, LabVIEW, VBA, HTML, PHP, CSS, $\LaTeX$
<b>Databases</b>	PostgreSQL, MongoDB, MySQL, SQLite
<b>Big Data skills</b>	Apache Superset, Apache Drill, Apache Nifi, Apache Hadoop, Apache Spark, Apache Kafka, Elasticsearch, ETL/Data warehousing, CI/CD, REST API, Power BI
<b>Machine learning</b>	Regression, Clustering, Decision tree, Dimensionality reduction, Bayesian, Neural networks, NLP
<b>AWS skills</b>	EC2, ECR, ECS, Lambda, S3, RDS, Amazon Redshift, AWS Glue, EMR, VPC, Route 53, API Gateway, AWS Step Functions, CloudWatch, CloudFormation, IAM
<b>Web framework</b>	Django, Django CMS, Flask, Pyramid
<b>Technologies</b>	Boto, PySpark, Spark SQL, Airflow, Luigi, Git, Virtualenv, RESTfull methodology, npm, Pug, Sass, Grunt, JSON/XML, Redis, DjangoRQ, Python unittest, Python Mock, Celery, Fabric, Cloudinary, Gunicorn, Sendwithus, Pipedrive, Sentry, Stripe
<b>Deployment</b>	AWS, Jenkins, Heroku, Ansible
<b>Development</b>	PyCharm, IntelliJ IDEA, Eclipse, Sublime, Vim, Vagrant/Docker
<b>Image Analysis</b>	ImageJ Plugins development, MATLAB Image processing toolbox, Metamorph
<b>Hardware</b>	NI-VISA, Arduino platform
<b>Methodologies</b>	Agile, Scrum, Kanban

## 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