

SANCHIT ALEKH

Big Data Engineer at Data Reply GmbH

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RECENT EXPERIENCE

Big Data Engineer

Data Reply GmbH

March 2019 – Ongoing

Munich, Germany

- Worked on various projects in the field of data science and engineering with a focus on Industrial Conversational Assistants, Cloud Development, Continuous Serverless Deployments.
- Diverse portfolio of clients and projects, including in the automotive and airline industry.
- Technologies used: Microsoft Azure, Google Cloud, Apache Kafka, Kubernetes, Helm, Prometheus, Grafana, Elasticsearch, Apache Spark, LUIS, Microsoft BotFramework, Java, Scala, Python, Node.js, Typescript

Data Scientist and Master Thesis Student

AUDI AG

Jan 2018 – Jan 2019

Neckarsulm, Germany

- Developed middleware software for Industry 4.0 applications, to reliably process and transport large volumes of IoT data.
- Wrote a Master Thesis on quantifying and managing Data Quality and Privacy for organization-wide Big Data applications.
- Technologies used: Hadoop, MQTT, AMQP, RabbitMQ, Apache Kafka, Java, Scala, Hive, Apache Spark, MongoDB

Research Assistant

Databases and Information Systems, RWTH Aachen University

Jan 2016 – Jan 2018

Aachen, Germany

- Worked on a Machine-learning approach towards innovation management, aiming to identify suitable actors for complex innovations in medical science by mining medical patents and publications on a large scale.
- Developed tools for author disambiguation and ontology matching for medical patents.
- Technologies used: Ontology Matching, Java, Apache Spark, Microsoft SQL, PostgreSQL, MongoDB, Logistic Regression

Research Intern

TU Darmstadt

May 2015 – July 2015

Darmstadt, Germany

- Structured information extraction and fact-checking of crowd-sourced knowledge repositories as Wikipedia.

Research Intern

University of Wisconsin

May 2014 – July 2014

Milwaukee, WI, USA

- Analyzed and optimized algorithms for anonymizing personal information in electronic health records to conform with HIPAA.

INSPIRATION

"Simplicity is the ultimate sophistication" - da Vinci

STRENGTHS

Hard-working

Team player

Swift learner

Good communicator

PROGRAMMING

Python

Java

Scala

JS/TS/Node.js



TECHNOLOGIES

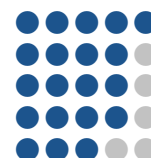
Cloud Development

Container Orchestration

Databases (SQL/NoSQL)

Apache Spark

Machine Learning



LANGUAGES

English

Hindi

German



EDUCATION

M.Sc. in Software Systems Engg.

GPA: 1.3 on the German scale

RWTH Aachen University

Oct 2016 – Jan 2019

B.Tech. (Honours) in Information Technology

GPA: 9.09/10

Indian Institute of Information Technology

July 2012 – June 2016

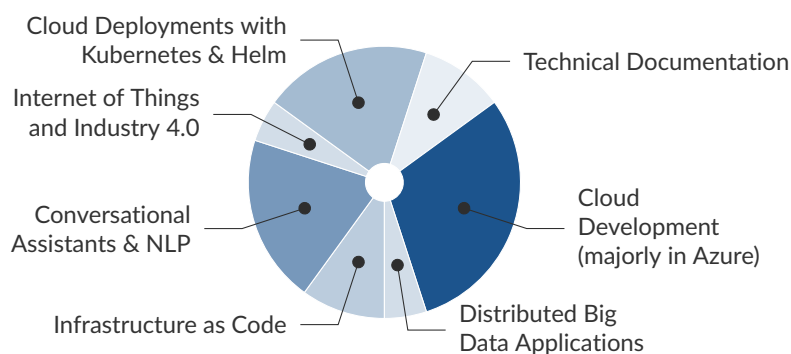
Higher secondary schooling

93.6%, English, Science & Economics




Delhi Public School, Patna

April 2012



FOCUS AREAS



ACHIEVEMENTS

-  **Best Presentation Award**
at the IDEA League Summer School on Responsible Robotics and AI, held at TU Delft in The Netherlands
-  **Government of India Merit Scholarship**
awarded to pursue Bachelor studies in the field of Computer Science
-  **Performer at Theater Aachen**
during the Indischer Abend, organized by the Deutsch-Indische Gesellschaft e.V.




SELECTED PUBLICATIONS

-  **Conference Proceedings**
 - Geisler, Sandra et al. (2017). "An Integrated Ontology-Based Approach for Patent Classification in Medical Engineering". In: *International Conference on Data Integration in the Life Sciences*. Springer, pp. 38–52.
 - Quix, Christoph et al. (2017). "Ontology Matching for Patent Classification". In: *OM-2017: Proceedings of the Twelfth International Workshop on Ontology Matching*, p. 37.
-  **Articles**
 - Alek, Sanchit (2018). "Human Aspects and Perception of Privacy in Relation to Personalization". In: *arXiv preprint arXiv:1805.08280*.




CERTIFICATIONS

-  **Microsoft Certified Azure AI Engineer**
Tests abilities in implementation and development using Azure Cognitive Services, expires 09/22
-  **Google Cloud Certified Professional Data Engineer**
Implementing Data Platforms using Google Cloud Technologies, expires 03/21
-  **Databricks Certified Associate Developer for Apache Spark 3.0**
Assesses the ability to apply Apache Spark to achieve data manipulation tasks.
-  **Scrum.org certified PSM-I and PSPO-I**
Evaluates the ability to apply the Scrum framework in a Scrum Master and Product Owner role respectively.

HOBBIES

-  **Indian Classical Music**
Classical singer trained in the traditional Hindustani style of singing.
-  **Blogging**
Maintain a personal blog on salekh.github.io where I write about various issues of interest
-  **Debating**
Part of the debating team at school and college

VOLUNTEERING

-  **Volunteered to teach children**
in the village of Jhalwa, Allahabad
-  **Volunteer for SPICMACAY**
an NGO that promotes Indian classical music and culture. Helped organize two national conventions
-  **Led the university Cultural Council and Music Club**
at the university. Helped organise the annual cultural festival.

REFERENCES

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