

SANCHIT ALEKH

Senior Data Engineer at Rubinstein & Schmiedel AG

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RECENT EXPERIENCE

Senior Data Engineer Rubinstein & Schmiedel AG

August 2021 – Ongoing Munich, Germany

- R&S is involved in the development of fully-automated cryptocurrency trading using an AI Trader, and I contribute to the Trader and Infrastructure teams.
- Tasks involve software and API development, Kubernetes deployments and administration, MLOps, as well as automated provisioning of infrastructure and applications.
- Technologies used: Python, Kubernetes, Helm, Prometheus, Elasticsearch, Celery, RabbitMQ, ArgoCD, REST, Docker

Big Data Engineer Data Reply GmbH

March 2019 – July 2021 Munich, Germany

- Worked on various projects in the field of Data Engineering with a focus on *Serverless Deployments*, *Cloud Development*, *Data Modeling for Data Lakes*, *Infrastructure-as-Code* and *Conversational Assistants*.
- Technologies used: AWS, Azure, GCP, Kafka, Spark, Docker, Kubernetes, Helm, Prometheus, Elasticsearch, 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 an ML-based approach to identify collaborators for complex innovations in medical science by large-scale mining of medical patents and publications
- 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.

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

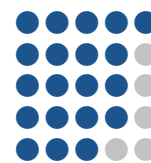
Cloud Development

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

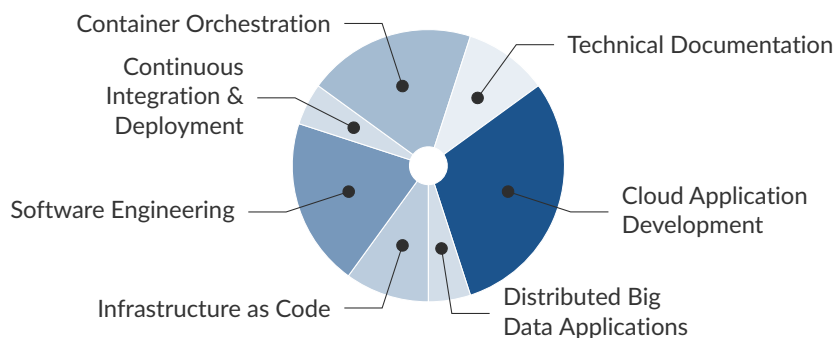
Higher secondary schooling

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

- Alekh, 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 *sanchitalekh.in* 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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