SANCHIT ALEKH

Software/Data Engineer at Rubinstein & Schmiedel AG

 san.alekh@gmail.com Scholar bit.ly/2tg3Bmm **** +49-152-3627-6687 % sanchitalekh.in

Richard-Strauss-Str. 56, 81677 München in linkedin.com/in/sanchitalekh

github.com/salekh



RECENT EXPERIENCE

Software & Data Engineer **Rubinstein & Schmiedel AG**

August 2021 - Ongoing

Munich, Germany

- R&S is involved in the development of fully-automated crytocurrency 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**

m 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, MOTT, AMOP, RabbitMO, 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

Pvthon 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

m Oct 2016 - Jan 2019

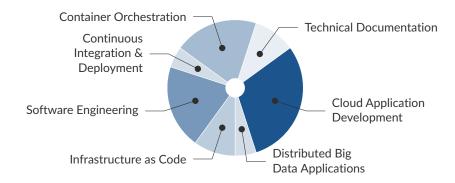
B.Tech. (Honours) in Information **Technology** GPA: 9.09/10

Indian Institute of Information Technology

m July 2012 - June 2016

Higher secondary schooling 93.6%, English, Science & Economics Delhi Public School, Patna

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

Christoph Ring

Microsoft Germany

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christoph.ring@microsoft.com

Walter-Gropius-Straße 5 80807 Munich

Patrick Bornikoel

② Data Reply GmbH

**** +49-1511-9556486

■ p.bornikoel@reply.de

Luise-Ullrich-Str. 14 80636 Munich

Prof. Dr. rer. nat. Christoph Quix

@ Hochschule Niederrhein

**** +49-2151-822-4727

christoph.guix@hs-niederrhein.de

Reinarzstraße 49 47805 Krefeld