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SUMMARY

Experienced Software Engineer with a demonstrated history of working in different cultural environments. Worked in Python, C++, and Java languages, currently doing Masters in RWTH Aachen, Germany. Looking for roles in the field of Process Mining, Data Science, Machine Learning, etc.

WORK EXPERIENCE

Institut für Kraftfahrzeugeearch, Aachen *May 2019 - April 2020*

Web Developer (Hiwi Job)

- QNAP server setup for storing vehicle's sensor data files.
- Implemented open source project Bag-Database as a web interface.
- Added Spring-Boot and other features like LDAP login system, user action restrictions, and pre-defined tags to files.

Samsung Research Institute, Noida(India) *July 2016 - August 2018*

Software Engineer - I

- Providing solutions for System UI, especially on the Android platform.
- Mainly working on QuickPanel and Notifications, providing solutions for behavioural and aesthetical changes, according to the UX guidelines.
- Collaborated with HQ on flagship models during Business Trips to South Korea.

EDUCATION

MSc(Media Informatics)

Oct 2018 – Present

RWTH Aachen

Grade: 1.7

B.Tech (Computer Science and Engineering)

July 2012 – May 2016

IIT (ISM), Dhanbad(India)

CGPA: 7.6

LANGUAGES

English (C1), German (A1), Hindi(Mother Tongue).

COLLEGE PROJECTS

FuzzyMinerWeb

April 2020 – On Going

Process Discovery Algorithm

A python package to discover fuzzy processes can be used standalone or with a Web application (Django Framework).

Responsibilities: Managing the whole project, backend and frontend tasks to meet deadlines. Writing efficient algorithms to extract information out of log objects and implementing different filters.

FoxSearch

August 2014 – February 2015

Transliterated Query Search Engine

A web application for transliterated queries developed on the Django platform.

Responsibilities: App designing, server-side programming in python, understanding, and implementation on MVT framework Django.

PARTM

July 2013 – December 2014

Popular Acronym Retrieval through Text Messaging

Designed for low-cost mobile phones having the text-only messaging facility.

Responsibilities: System Design, incorporating different string matching related algorithms like EditDistance and Anagram techniques in java, use of Web-harvest API for web scraping.

PUBLICATIONS

Publisher: ACM New York, NY, USA ©2015

Conf: FIRE (Forum for Information Retrieval Evaluation)

December 2014

Project: PARTM (Popular Acronym Retrieval through Text Messaging)

Document URL: <http://dx.doi.org/10.1145/2824864.2824889>

ACCOMPLISHMENTS

- Got 320/340 marks in GRE(Graduate Record Examination) 2017.
- Received Kudos Award 2017 for a wonderful contribution to the SystemUI team at Samsung.
- Secured 11034 Rank in IIT-JEE 2012 and 7355 Rank in AIEEE 2012, among top 2.2% and 1.4% candidate appeared respectively.

TECH SKILLS

Worked with: Python, JAVA, C++, Notebooks, Git (VCS), Linux (Ubuntu), Agile (Scrum), Django, Spring MVC, Tomcat (Server), Android, SVN (VCS), PostgreSQL, MySQL, HTML, CSS, Bootstrap, JavaScript.

Libraries used: NumPy, Pandas, SciPy, Matplotlib, PM4Py.

Other skills: MS Office suite (safe handling).

INTERESTS

Process Mining, Data Science, Machine Learning, Computer Vision, Web Applications, Python Programming, Java Programming etc.