Technology
Arts Sciences
TH Köln

TH Köln - Gustav-Heinemann-Ufer 54 - 50968 Köln

Ms.
Rubaiya Kabir Pranti
Luxemburger Straße 17-32 124-1
50939 Köln Uni-Center

TH Köln - University of Applied Sciences
Office of Student and Examination Services
Gustav-Heinemann-Ufer 54
50968 Cologne, Germany
Phone: +49 (0)221 8275-0
Fax: +49 (0)221 8275-3131

Transcript of Records

Rubaiya Kabir Pranti
Degree program: Communication Systems and Networks
Intended degree: Master's degree

Date of birth: October 14, 1996
Place of birth: Brahmanbaria/Bangladesch

Exam No.	Course	Semester	Grade	Credits	Annot.
974	**ECTS credits: Communication Systems and Networks (Master's program)**	**SS 23**	**1.9**	**60**	
900	**Abschlusskonto**	**SS 23**		**0**	
1000	**Required Examinations**	**SS 23**		**25**	
1110	**Advanced Mathematics**	**SS 21**	**2.7**	**5**	
1112	Advanced Mathematics	SS 21	2.7	0	
1190	**Fundamentals of System and Network Theory**	**SS 22**	**3.7**	**5**	
1192	Fundamentals of System and Network Theory	SS 21		0	
1193	Fundamentals of System and Network Theory	SS 22	3.7	0	
1220	**Project Management**	**SS 21**		**5**	
1223	Project Management	SS 21		0	
1240	**Research Project**	**SS 23**	**1.3**	**10**	
1243	Research Project	SS 23	1.3	0	
2000	**Specializations**	**SS 22**		**20**	
2100	**Specialization: Communication Systems**	**SS 22**	**1.5**	**20**	
2170	**Cryptography**	**SS 21**	**3.3**	**5**	

Cologne, February 16, 2024

Ms. Rubaiya Kabir Pranti born on October 14, 1996 in Brahmanbaria/Bangladesch Student ID : 11146364
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Exam No.	Course	Semester	Grade	Credits	Annot.
2172	Lab: Cryptography	SS 21		0	
2173	Cryptography	SS 21	3.3	0	
2180	**Next Generation Networks**	**SS 21**	**1.0**	**5**	
2182	Lab: Next Generation Networks	SS 21		0	
2183	Next Generation Networks	SS 21	1.0	0	
2260	**Digital Signal Processing**	**WS 21/22**	**2.3**	**5**	
2262	Lab: Digital Signal Processing	WS 21/22		0	
2263	Digital Signal Processing	WS 21/22	2.3	0	
2270	**Advanced Multimedia Communications**	**WS 20/21**	**2.0**	**5**	
2272	Lab: Advanced Multimedia Communications	WS 20/21		0	
2273	Advanced Multimedia Communications	WS 20/21	2.0	0	
3190	**Machine Learning and Scientific Computing**	**SS 22**	**1.0**	**5**	
3192	Lab.: Machine Learning and Scientific Computing	SS 22		0	
3193	Machine Learning and Scientific Computing	SS 22	1.0	0	
2200	**Specialization: Networks and Security**	**SS 22**	**0.0**	**0**	
2440	**IT Security**	**WS 21/22**		**0**	
2442	Lab: Information Security	WS 21/22		0	
3160	**Network Service Management**	**WS 21/22**		**0**	
2500	**General catalog of electives**	**WS 22/23**		**15**	
2350	**Reliability of Communication Systems**	**WS 21/22**	**2.0**	**5**	
2352	Lab: Reliability of Communication Systems	WS 21/22		0	
2353	Reliability of Communication Systems	WS 21/22	2.0	0	
3250	**Virtual Private Networks**	**WS 21/22**	**1.0**	**5**	

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Exam No.	Course	Semester	Grade	Credits	Annot.
3252	Lab: Virtual Private Networks	WS 21/22		0	
3253	Virtual Private Networks	WS 21/22	1.0	0	
3290	**Large and Cloud-based Software-Systems**	**SS 22**	**2.7**	**5**	
3292	Large and Cloud-based Software-Systems ULP	SS 22		0	
3293	Large and Cloud-based Software Systems	SS 22	2.7	0	

This Transcript of Records is valid without signature.

Cologne, February 16, 2024

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Explanations

Grading scheme:	1-1.5 = excellent; 1.6-2.5 = good; 2.6-3.5 = satisfactory; 3.6-4.0 = sufficient; >4.0=fail
Annotations:	ANA=medical certificate not recognized ANB=mandatory registration AAK/AEP=credit transfer CNB=Corona free examination attempt not passed EAA=Thesis submitted electronically FDA=submission deadline of Diplom Thesis exceeded MEP=additional oral examination NÄN=change of grade NAN=late registration NPA=grade given by the Chairperson of the Examination Board NZU=not allowed PNE=did not appear for exam PFV/PZW=potential free examination attempt SOA=special request TR=withdrawal from thesis UBE=graded examination passed but no grade given UEB=over subscribed UMB=transfer UR=unexcused withdrawel TUH=attempted cheating VTW=change of specialization ZWW=mandatory registration
Other:	SS=summer semester WS=winter semester

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Cologne, February 16, 2024

DETECON CONSULTING

Reference

Rubaiya Kabir Pranti, born on October 14th, 1996, was an intern at our company from September 1st, 2022 to March 31st, 2023, in our "Comm Industries International" department.

Detecon International GmbH is a leading global technology and management consulting company headquartered in Germany. We have been combining classic management consulting with high technological competence for more than 40 years. The focus of our activities is on digital transformation, based on our roots in telecommunications. Our expertise bundles the knowledge of management and ICT consulting projects in more than 160 countries. Detecon is a subsidiary of T-Systems International, one of the world's leading manufacturer independent providers of digital services and subsidiary of Deutsche Telekom.

In her function as intern Ms Pranti carried out the following main duties:

- Collaborated in preparation and implementation of given tasks for two epics
- Research on the market trend analysis during epic tasks (Data Visualization task)
- Conception and creation of presentations
- Active support in formation of dashboard during virtual summit ICT/IDT
- Kubernetes tasks under Network Automation lab, AI/MLOPs epic

Moreover, she was entrusted with the following additional duties:

- Exploring the code of completed task under Aviatrix regarding the provisioning infrastructure on GCP, AWS, Azure with terraform
- Creation and submission of self-initiated terraform task on Detecon GCP platform
- Certifications for active engagements in AWS Partner opportunities (One day trainings) named as Machine Learning on AWS, Containers on AWS, Cloud practitioner essentials

For the purpose of carrying out her work, Ms Pranti used the following system environments:

- Test Automation using Python
- Participation in training/workshops called Campus Network Portfolio
- Excel Workshop (March 24th, 2023)

Ms Pranti worked hard during her internship, while demonstrating a high degree of initiative and determination. Her motivation to learn and work was always high.

She implemented her broad theoretical knowledge on a practical level successfully.

Her approach to learning and working was of quality. For her practical training, Ms Pranti used the available opportunities in a remarkable manner and in every respect. She fully achieved the learning goals set for her internship.

Ms Pranti always completed tasks assigned to her to our full satisfaction. Her performance exceeded our expectations and requirements.
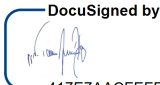
Her conduct towards superiors and subordinates was always impeccable. Apart from being a good networker, she is ready to cooperate, which enables her to work within a team.

In accordance with her employment agreement, Ms Pranti is leaving us after completing her internship on March 31st, 2023.

We would like to thank her for her consistently good performance.

For her career and private life, we wish Ms Pranti all the best and a lot of success.

Detecon International GmbH
Cologne, March 31st, 2023

DocuSigned by:

pp.

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Paul-Bernhard Dolle
Head of People Management

DocuSigned by:

Matthias Salge

i.V.

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Matthias Salge
Principal "Comm Industries International"

Reference Letter

Ms. Rubaiya Kabir Pranti born on October 14th, 1996 in Brahmanbaria, Bangladesh worked for our company as Shop Assistant from July 6th, 2023 until August 31st, 2023.

HR UNIVERSAL is a specialist in personnel recruitment. Our core competence is finding the right personnel in the area of commercial and technical specialists and managers. HR UNIVERSAL ideally harmonizes the qualification profiles of candidates and client's requirement profiles.

Ms. Pranti was deployed with our client Trigo Vision Germany GmbH in Cologne at a REWE To Go store.

Her main tasks included:

- Introduction and support of a new type of cashless payment system for the food retail sector.
- Processing and preparation of process data
- Carrying out and documenting test purchases
- Contact person for store staff and downstream customer departments (in English)

Ms. Pranti possessed excellent specialist knowledge, which she applied to her area of responsibility in an effective and beneficial manner. She executed the tasks assigned autonomously, with diligence and always to our completed satisfaction.

Due to her quick perception, she is able to grasp complex concepts with ease and be relied on in difficult situations. She worked extremely conscientiously and contributed to the daily work with her very good practical understanding. She always proved resilient even in stressful situations and maintained the high quality of her work.

Her behavior towards superiors, customers, employees and colleagues was always impeccable. Due to her obliging, cooperative and helpful nature, she was equally appreciated and recognized by everyone.

Ms Pranti is leaving our company at the end of her fixed-term contract at her own request in order to take on a new challenge. We thank her for the trustful and very pleasant collaboration and wish her for her professional future further success and all the best in private.

Cologne, August 31st, 2023
HR UNIVERSAL GmbH

i.V. Ludwig Seemann
Branch Manager

Technische Hochschule Köln
Studierenden- und Prüfungsservice
Gustav-Heinemann-Ufer 54
50968 Köln

Studienbescheinigung für das Wintersemester 2023/24
Certificate of enrollment for the winter semester 2023/24

für / *for*
Rubaiya Kabir Pranti

Matrikelnummer / *Student ID no.*	11146364
Geburtsdatum / *Date of birth*	14.10.1996
Geburtsort / *Place of birth*	Brahmanbaria/Bangladesch
Wohnort / *Place of residence*	Luxemburger Straße 17-32 124-136
	50939 Köln Uni-Center

Rubaiya Kabir Pranti

ist an der TH Köln im Wintersemester 2023/24 immatrikuliert und nicht beurlaubt.
is enrolled at TH Köln in the winter semester 2023/24 and not on leave of absence.
(Wintersemester 2023/24 / *winter semester 2023/24: 01.09.2023 – 29.02.2024*)

Studienbeginn an der *TH Köln* / *Date of enrollment at TH Köln*	01.09.2020
Hochschulsemester / *Number of semesters enrolled at a German university*	7
Urlaubssemester / *Semesters on leave*	0

Fakultät / *Faculty*	Informations-,Medien- und Elektrotechnik / *Faculty of Information, Media and Electrical Engineering*
Studienfach / *Program*	Communication Systems and Networks (Master-Studiengang, Vollzeitstudium) / *Communication Systems and Networks (Master's degree, full-time program)*
Vertiefung / *Specialization*	Comm.Systems&Network / Communication Systems & Networks
Hörerstatus / *Student status*	Ordentlich Studierende*r / *regular student*
Fachsemester / *Subject-related semester*	7

Die Semesterbeiträge in Höhe von 330,20 EUR wurden entrichtet.
The semester fee of 330.20 EUR has been paid in full.

Köln, 04.07.2023