

PERSONAL INFORMATION

Yugant Hadiyal

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POSITION

Student Assistant

WORK EXPERIENCE

01/05/2020–Present

Student Assistant

Fraunhofer IOSB-AST, Ilmenau (Germany)

- Working on Continuous Integration pipeline.
- Mainly, working on Arch Linux. Under "Embedded Group"

07/2018–08/2019

Software Engineer

Cignex Datamatics
4633 Old Ironsides Dr #109, Santa Clara, United States, CA 95054 Ahmedabad (India)
<https://www.cignex.com/>

Working in Machine Learning and Advanced Statistics domain.

- Technologies/skill: Python, AWS, UiPath Infrastructure.
- Deciding the development approach for client requirements.
- Exploration of open source technologies for the requirements.
- Helping Sales to troubleshoot queries from clients.

Business or sector Open Source, Cloud and Automation

01/2018–07/2018

Software Engineer - Trainee

Cignex Datamatics, Ahmedabad (India)

- Worked with Amazon Web Services to implement a BigData environment.
- Explored similar technologies for comparisons.
- Worked with Data Visualization services like Power BI, QuickSight.

07/2016–09/2016

Reverse Engineering Intern

F(x) Data Labs

- Reverse engineering relational databases were one of the main tasks.
- Other tasks consist of generating flow charts and analysis report.

EDUCATION AND TRAINING

10/2019–Present

Master Of Science Research in Computer and System Engineering

Technical University Ilmenau, Ilmenau (Germany)

Basic studies:

- Algorithms

EQF level 7

- Control Engineering
- Information Systems
- Software & System Engineering
- Advanced Mobile Communication Networks

Advanced studies:

- Software Architecture
- Deep Learning

08/2014–06/2018

Bachelor of Engineering in Computer Engineering

Lalbhai Dalpatbhai College Of Engineering, Ahmedabad (India)

- Algorithms
- Theory of Computation
- Data Structures
- Computer Networks
- C++, JAVA
- Python
- Artificial Intelligence

PERSONAL SKILLS

Mother tongue(s)

Gujarati, Hindi

Foreign language(s)

English

IELTS Academics 7.0 bands

German

Allgemeinsprache DaF A 1.1

Communication skills

- I have spent nearly 4 years in academia and that helped me to adapt good written and oral communication skills.
- Communication is a crucial part of my work as a software engineer.

Organisational / managerial skills

- Ability to lead a small team and a good team player.
- Team management capabilities gained while managing a small team of interns as Software Engineer at Cignex Datamatics.

Job-related skills

- Proficient in Python and C/C++ programming languages.
- Capable of carrying out cloud-based development using AWS.
- I have worked in the field of Machine Learning, Natural Language Processing and Advanced Statistics.
- Other known technical skills and concepts: Software Development, Technical Documentation, Big Data, Computer Graphics, Data Structures & Algorithms.

ADDITIONAL INFORMATION

Projects

Few of my projects are listed below:

Text Cleaner:

I have created a python library named "textcleaner" for text-data pre-processing. It has reached to

count of 9k+ installs in two months.

Below is the link to library and documentation:

- PiPy project: <https://pypi.org/project/textcleaner/>
- Documentation: [hyperlink](#)

Recommendation system:

User To Item Collaborative Filtering Recommendation engine with flash API ready to deploy on the server. Get the recommendations from your data in three calls. This engine is generic so results are not ideal but promising enough to use in the development. [hyperlink](#)

P.C. Assistant JARVIS:

Voice-based P.C. assistant to communicate with user and automation of some routine tasks which will be learned from the user's daily usage. Like it will open the browser with top 5 most used websites and will regularly clean recycle bin and temporary files and many more to add. [hyperlink](#)

For more projects click here: [hyperlink](#)

Roles and Responsibilities

Campus Ambassador at DELL India

- Ranked 5th as DELL Campus Ambassador in the country at the end of the season.
- Organized promotional and marketing events on the campus and social media.

Student Co-ordinate at **LAA** [LDCE Alumni Association]

- Selected and volunteered for 2 years as the student co-ordinate for college alumni association.

Digital Profiles

Portfolio : [@yuganthm.github.io](https://yuganthm.github.io)

LinkedIn : [@yuganthadiyal](#)

GitHub : [@YugantM](#)

Medium : [@yuganthadiyal](#)

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Mother tongue(s)
Gujarati, Hindi

Foreign language(s)
English, German

English

Certificates and diplomas






Title	Awarding body	Date	Level*
IELTS Academics 7.0 bands	British Council	19/07/2018	C1

German

Certificates and diplomas

Title	Awarding body	Date	Level*
Allgemeinsprache DaF A 1.1	–	–	–

Common European Framework of Reference for Languages - Self-assessment grid

		A1 Basic user	A2 Basic User	B1 Independent user	B2 Independent user	C1 Proficient user	C2 Proficient user
Understanding	 Listening	I can understand familiar words and very basic phrases concerning myself, my family and immediate concrete surroundings when people speak slowly and clearly.	I can understand phrases and the highest frequency vocabulary related to areas of most immediate personal relevance (e.g. very basic personal and family information, shopping, local area, employment). I can catch the main point in short, clear, simple messages and announcements.	I can understand the main points of clear standard speech on familiar matters regularly encountered in work, school, leisure, etc. I can understand the main point of many radio or TV programmes on current affairs or topics of personal or professional interest when the delivery is relatively slow and clear.	I can understand extended speech and lectures and follow even complex lines of argument provided the topic is reasonably familiar. I can understand most TV news and current affairs programmes. I can understand the majority of films in standard dialect.	I can understand extended speech even when it is not clearly structured and when relationships are only implied and not signalled explicitly. I can understand television programmes and films without too much effort.	I have no difficulty in understanding any kind of spoken language, whether live or broadcast, even when delivered at fast native speed, provided I have some time to get familiar with the accent.
	 Reading	I can understand familiar names, words and very simple sentences, for example on notices and posters or in catalogues.	I can read very short, simple texts. I can find specific, predictable information in simple everyday material such as advertisements, prospectuses, menus and timetables and I can understand short simple personal letters.	I can understand texts that consist mainly of high frequency everyday or job-related language. I can understand the description of events, feelings and wishes in personal letters.	I can read articles and reports concerned with contemporary problems in which the writers adopt particular attitudes or viewpoints. I can understand contemporary literary prose.	I can understand long and complex factual and literary texts, appreciating distinctions of style. I can understand specialised articles and longer technical instructions, even when they do not relate to my field.	I can read with ease virtually all forms of the written language, including abstract, structurally or linguistically complex texts such as manuals, specialised articles and literary works.
Speaking	 Spoken interaction]	I can interact in a simple way provided the other person is prepared to repeat or rephrase things at a slower rate of speech and help me formulate what I'm trying to say. I can ask and answer simple questions in areas of immediate need or on very familiar topics.	I can communicate in simple and routine tasks requiring a simple and direct exchange of information on familiar topics and activities. I can handle very short social exchanges, even though I can't usually understand enough to keep the conversation going myself.	I can deal with most situations likely to arise whilst travelling in an area where the language is spoken. I can enter unprepared into conversation on topics that are familiar, of personal interest or pertinent to everyday life (e.g. family, hobbies, work, travel and current events).	I can interact with a degree of fluency and spontaneity that makes regular interaction with native speakers quite possible. I can take an active part in discussion in familiar contexts, accounting for and sustaining my views.	I can express myself fluently and spontaneously without much obvious searching for expressions. I can use language flexibly and effectively for social and professional purposes. I can formulate ideas and opinions with precision and relate my contribution skilfully to those of other speakers.	I can take part effortlessly in any conversation or discussion and have a good familiarity with idiomatic expressions and colloquialisms. I can express myself fluently and convey finer shades of meaning precisely. If I do have a problem I can backtrack and restructure around the difficulty so smoothly that other people are hardly aware of it.
	 Spoken production	I can use simple phrases and sentences to describe where I live and people I know.	I can use a series of phrases and sentences to describe in simple terms my family and other people, living conditions, my educational background and my present or most recent job.	I can connect phrases in a simple way in order to describe experiences and events, my dreams, hopes and ambitions. I can briefly give reasons and explanations for opinions and plans. I can narrate a story or relate the plot of a book or film and describe my reactions.	I can present clear, detailed descriptions on a wide range of subjects related to my field of interest. I can explain a viewpoint on a topical issue giving the advantages and disadvantages of various options.	I can present clear, detailed descriptions of complex subjects integrating sub-themes, developing particular points and rounding off with an appropriate conclusion.	I can present a clear, smoothly-flowing description or argument in a style appropriate to the context and with an effective logical structure which helps the recipient to notice and remember significant points.
Writing	 Writing	I can write a short, simple postcard, for example sending holiday greetings. I can fill in forms with personal details, for example entering my name, nationality and address on a hotel registration form.	I can write short, simple notes and messages. I can write a very simple personal letter, for example thanking someone for something.	I can write simple connected text on topics which are familiar or of personal interest. I can write personal letters describing experiences and impressions.	I can write clear, detailed text on a wide range of subjects related to my interests. I can write an essay or report, passing on information or giving reasons in support of or against a particular point of view. I can write letters highlighting the personal significance of events and experiences.	I can express myself in clear, well-structured text, expressing points of view at some length. I can write about complex subjects in a letter, an essay or a report, underlining what I consider to be the salient issues. I can select a style appropriate to the reader in mind.	I can write clear, smoothly-flowing text in an appropriate style. I can write complex letters, reports or articles which present a case with an effective logical structure which helps the recipient to notice and remember significant points. I can write summaries and reviews of professional or literary works.

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