

HIMANSHU GARG

Tools Developer, Technical Writer, Volunteer Translator
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<https://github.com/himanshugarg>

SKILLS

Computer Languages	Python, Perl, JavaScript, TypeScript, C, SQL
Tools	Bash, Git, Excel
Others	Technical Content Editing, EN-HI Translation

SUMMARY

I have programmed in Perl, Python, JS, SQL for prototyping and maintenance of applications for Document Analysis, Android, SDM based Family Planning via SMS, Software Packaging, Test/Build Automation, Web Application Automation and Source Code Analysis, etc. In spare time, I have volunteered for EN-HI translation and editing.

EXPERIENCE

Technology Innovation Hub (TIH) on Cobotics	September 2020-Jan 2021
<i>Sr. Project Scientist</i>	<i>New Delhi</i>

- Prototyping with ROS, Google Pub/Sub, Google DialogFlow

Assistive Technologies Group, IIT-Delhi, MHRD funded	November 2017-August 2020
<i>Sr. Project Scientist</i>	<i>New Delhi</i>

- PDF Analysis and Conversion using JavaScript, TypeScript, Node.js, Python. InDesign scripting in JS

Cactus Communications	Apr 2019 - Sep 2019
<i>Freelance Editor</i>	<i>Remote</i>

- Peer Review and Editing of Computer Science Research

Environmental Design Solutions	August 2017 - October 2017
<i>Development Consultant</i>	<i>Remote</i>

- Android App using Kotlin, JavaScript, HTML
- <https://play.google.com/store/apps/details?id=com.edsglobal.ecbc>

Knimbus	May 2014 - May 2014
<i>Development Consultant</i>	<i>Gurgaon</i>

- Architecture Documentation, Application Profiling for an Apache, mod_perl application

MathJax on Translate Wiki	May 2020 - May 2020
<i>Volunteer Translator</i>	<i>Remote</i>

- EN-HI Translation for strings of a Math application
- <https://translatewiki.net/wiki/Special:Contributions/Hgarg>

Translators Without Borders	April 2017 - June 2017
<i>Volunteer Translator</i>	<i>Remote</i>

- EN-HI Translation for Palliative Care
- <https://translatorswithoutborders.org/winners-6th-annual-access-to-knowledge-awards/>

IRH, Georgetown University, USAID funded

Technology Manager

September 2014 - March 2017

New Delhi

- Standard Days Method Based Family Planning via SMS using MySQL, Python/Django, Redis, Celery

Adobe

Computer Scientist

February 2009-November 2013

Noida

- Software Packaging, Automation using using Python, XML/XSLT, SQLite, Solr

Oracle

Application Engineer

Aug 2006-Feb 2009

Hyderabad

- Web Application Automation using Perl, SOAP

SEEC

Software Engineer

May 2004-June 2005

Hyderabad

COBOL Source Code Analysis with Flex, Yacc, C/C++

The LNM Institute of IT

Lecturer

July 2005 - August 2006

Jaipur

- Teaching Algorithms, Data Structures, Computer Organization

EDUCATION

International Institute of Information Technology, Hyderabad

July 2006

M.S. by Research in Computer Science & Engineering

International Institute of Information Technology, Hyderabad

June 2002

B.Tech. in Computer Science & Engineering

PUBLICATIONS

Rule based Mathematics and Layout Analysis of PDF Documents

DEIMS, 2021

<https://workshop.sciaccess.net/deims2021/program.html>

Towards generating web-accessible STEM documents from PDF

Web4All Conference, 2020

<https://dl.acm.org/doi/10.1145/3371300.3383351>

Making legacy digital content accessible at source

Web4All Conference, 2019

<https://dl.acm.org/doi/abs/10.1145/3315002.3332444>

Implementation of CycleTel Family Advice: an SMS-based service to provide family planning and fertility awareness information in India

mHealth Journal, 2017

<http://mhealth.amegroups.com/article/view/14966/15110>