

# HIMANSHU GARG

Freelance Programmer, Technical-editor. Volunteer Translator

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<https://stackoverflow.com/users/786691/himanshu>

## SKILLS

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

## SUMMARY

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I have programmed in Perl, Python, JS, SQL for areas including source code analysis, web automation, software packaging, test automation, web applications, encoding conversion, PDF data extraction, and others. In spare time, I have volunteered for EN-HI translation, editing.

I like to work independently and have not done a lot of front-end development. I have worked more on existing code bases rather than creating new ones from scratch.

I am looking for 20-40 hours per week software development roles at the rate of INR 1250 per hr or equivalent.

## EXPERIENCE

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<b>Assistive Technologies Group, IIT-Delhi, MHRD funded</b> <i>Sr. Project Scientist</i>	November 2017-August 2020 <i>New Delhi</i>
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- Document Analysis and PDF Data Extraction using JavaScript, TypeScript, Node.js, Python, InDesign Scripting

<b>Cactus Communications</b> <i>Freelance Editor</i>	Apr 2019 - Sep 2019 <i>Remote</i>
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- Peer Review and Editing of Computer Science Research

<b>Environmental Design Solutions</b> <i>Development Consultant</i>	August 2017 - October 2017 <i>Remote</i>
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- Android App using Kotlin, JavaScript, HTML
- <https://play.google.com/store/apps/details?id=com.edsglobal.ecbc>

<b>Knimbus</b> <i>Development Consultant</i>	May 2014 - May 2014 <i>Gurgaon</i>
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- Architecture Documentation, Application Profiling for an Apache, mod<sub>perl</sub> application **MathJax on**

<b>Translate Wiki</b> <i>Volunteer Translator</i>	May 2020 - May 2020 <i>Remote</i>
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- EN-HI Translation for strings of a Math application
- <https://translatewiki.net/wiki/Special:Contributions/Hgarg>

<b>Translators Without Borders</b> <i>Volunteer Translator</i>	April 2017 - June 2017 <i>Remote</i>
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- 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, Python using 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

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**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

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**Rule based Mathematics and Layout Analysis of PDF Documents**

*Volker Sorge, M Balakrishnan, Neha Jadhav, Akashdeep Bansal, Himanshu Garg*

*DEIMS, 2021*

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

**Towards generating web-accessible STEM documents from PDF**

*Volker Sorge, Himanshu Garg, Neha M. Jadhav, M. Balakrishnan*

*Web4All Conference, 2020*

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

**Making legacy digital content accessible at source**

*Sankalan Pal Chowdhury, Himanshu Garg, M. Balakrishnan*

*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**

*Nicki Ashcroft, Victoria Shelus, Himanshu Garg, et. al.*

*mHealth Journal, 2017*

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