HIMANSHU GARG

Backend Developer, Technical Writer, EN-HI-EN 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, editing. I am looking for 20-40 hours per week software development roles at the rate of INR 1250 per hr or equivalent.

EXPERIENCE

Technology Innovation Hub (TIH) on Cobotics　　　　　　September 2020-Jan 2021
Sr. Project Scientist　　　　　　　　　　　　　　　　　　　　　　　*New Delhi*

· ROS, Google Pub/Sub, Google DialogFlow

Assistive Technologies Group, IIT-Delhi, MHRD funded　　November 2017-August 2020
Sr. Project Scientist　　　　　　　　　　　　　　　　　　　　　　　*New Delhi*

· Document Analysis and PDF Data Extraction using JavaScript, TypeScript, Node.js, Python, InDesign

Cactus Communications　　　　　　　　　　　　　　　　　　Apr 2019 - Sep 2019
Freelance Editor　　　　　　　　　　　　　　　　　　　　　　　　　*Remote*

· Peer Review and Editing of Computer Science Research

Environmental Design Solutions　　　　　　　　　　　August 2017 - October 2017
Development Consultant　　　　　　　　　　　　　　　　　　　　　　*Remote*

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

Knimbus　　　　　　　　　　　　　　　　　　　　　　　　　　May 2014 - May 2014
Development Consultant　　　　　　　　　　　　　　　　　　　　　　*Gurgaon*

· Architecture Documentation, Application Profiling for an Apache, $\mod_p erlapplication$ **MathJax on**

Translate Wiki　　　　　　　　　　　　　　　　　　　　　　May 2020 - May 2020
Volunteer Translator　　　　　　　　　　　　　　　　　　　　　　　*Remote*

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

Translators Without Borders　　　　　　　　　　　　　　April 2017 - June 2017
Volunteer Translator　　　　　　　　　　　　　　　　　　　　　　　*Remote*

· EN-HI Translation for Palliative Care

IRH, Georgetown University, USAID funded   September 2014 - March 2017
Technology Manager   *New Delhi*

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

Adobe   February 2009-November 2013
Computer Scientist   *Noida*

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

Oracle   Aug 2006-Feb 2009
Application Engineer   *Hyderabad*

· Web Application Automation using Perl, SOAP

SEEC   May 2004-June 2005
Software Engineer   *Hyderabad*

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

The LNM Institute of IT   July 2005 - August 2006
Lecturer   *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
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