HIMANSHU GARG

Software Tools Developer, Technical Writer, EN-HI Translator
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[GitHub](), [StackOverflow]()

OBJECTIVE

To help improve existing software tools and prototype new ones

TECHNICAL SKILLS

Python, JavaScript, TypeScript, SQL, Django, Node.js, SQLite, Bash, Git, Excel, Perl, C, Vim, LaTeX

EXPERIENCE

Sr. Project Scientist, TIH on Cobotics, IIT-Delhi　　　　Sep 2020 - Jan 2021
*Prototyped **Python**, ROS, Google Pub/Sub, Google DialogFlow based tools for robot control*

Sr. Project Scientist, Assistive Technologies Group, IIT-Delhi　　　Nov 2017 - Aug 2020
*Contributed to **TypeScript, Node.js, OCaml** based tools for **PDF analysis/conversion***

Freelance Editor, Cactus Communications, Remote　　　　Apr 2019 - Sep 2019
Reviewed and edited CS research prior to its submission

Independent Consultant, Environmental Design Solutions, Remote　　Aug 2017 - Oct 2017
Independently developed a Kotlin, JS based [Android App]() to customize content of a long building code

Volunteer, Translators Without Borders, Remote　　　　Apr 2017 - Jun 2017
[Translated]() nearly 80k words of Palliative care content

Technology Manager, IRH, New Delhi　　　　Sep 2014 - Mar 2017
*Independently maintained a **Python**, Django application for [SDM based Family Planning via SMS]()*

Computer Scientist, Adobe, NOIDA　　　　Feb 2009 - Nov 2013
*Independently maintained **Python, XSLT, SQLite** based tools for software build/test automation*

Application Engineer, Oracle, Hyderabad　　　　Aug 2006 - Feb 2009
*Independently developed a **Perl, SOAP** based command-line interface to a Web Application*

Lecturer, The LNM Institute of IT, Jaipur　　　　Jul 2005 - Aug 2006
Taught and assisted in labs for Algorithms, Data Structures, Computer Organization courses

Software Engineer, SEEC, Hyderabad　　　　May 2004 - Jun 2005
Independently ported Unix/lex based lexical analyzers to use Flex on Windows

EDUCATION

International Institute of Information Technology, Hyderabad
M.S. by Research in Computer Science & Engineering　　　　July 2006
B.Tech. in Computer Science & Engineering　　　　June 2002

COAUTHORED PUBLICATIONS

Rule based Mathematics and Layout Analysis of PDF Documents	DEIMS, 2021
Towards generating web-accessible STEM documents from PDF	Web4All Conference, 2020
Making legacy digital content accessible at source	Web4All Conference, 2019
Implementation of CycleTel Family Advice	mHealth Journal, 2017