

HIMANSHU GARG

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

OBJECTIVE

To help organizations document, maintain, improve existing software tools and prototype new ones

TECHNICAL SKILLS

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

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 analysis and conversion of PDF to HTML

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 packaging/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