

HIMANSHU GARG

Software Tools Developer

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[GitHub](#), [StackOverflow](#)

OBJECTIVE

To help prototype new software tools and to improve existing ones

TECHNICAL SKILLS

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

EXPERIENCE

Sr. Project Scientist, IIT-Delhi Nov 2017 - Jan 2021
*Contributed to **TypeScript**, **Node.js** based tools for **PDF analysis/conversion**. Prototyped **Python**, **ROS**, **Google Pub/Sub**, **Google DialogFlow** based tools for robot control.*

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 creating installers*

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