

Man Parvesh Singh Randhawa

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Professional Experience

Oct '16 – **R&D Software Engineer, Manager Candidate III**, Works Applications Co. Ltd., Singapore.

Present **Oct 2017 - present:**

Member of the Security team inside HUE - Base Technologies division, which handles issues related to Login Authentication, the authentication service in the microservice architecture, and other application security related issues.

- Worked on enhancement of Single Sign-On authentication.
- Working on implementing Security Checkup for HUE accounts.
- Contributor to writing automated tests, fixing issues with to AWS deployments, Jenkins builds, etc.

Feb - Sept 2017:

Full stack development of COMPANY-EC, a large-scale E-Commerce ERP system. Member of a small team that handled user experience related issues in the system.

- Worked on improving the performance cost by analyzing DB2 queries.

Aug '15 **Android developer intern, EasyTables & EasyKhaana.**

Developed two food ordering applications for the Android platform from scratch in a period of 15 days.

Jun-Jul '15 **Android developer intern, IIT Guwahati Alumni Association.**

Developed an Android application for the alumni of IIT Guwahati to connect with their Alma-mater.

Education

2012–2016 **B. Tech, Indian Institute of Technology, Guwahati.**
Civil Engineering

Personal projects

Dec '16 – **Yoda PA** (manparvesh.com/yoda).

Present Personal assistant based on the command line with several inbuilt features like the following:

- Chat bot
- Money manager
- Dev tools
- Journal
- ToDo manager
- Reading list
- Idea list
- Vocab enhancer
- Flashcards
- Dictionary

Oct '17 – **Idea Tracker Plus** (ideatrackerplus.github.io).

Present Enhanced Android app to track projects and ideas.

Jan '18 **Spellor** (spellor.github.io).

A spell correction library written in Java 8.

Dec '16 – **Super Inventory Manager** (manparvesh.com/SIM).

Jan'17 A frontend-only system to manage the operations of a PC parts inventory.

Jun '16 **Bot Dude** (manparvesh.com/BotDude).

A Facebook messenger bot, written in Python.

Feb '16 **IITG Study groups** ([Play store](https://play.google.com/store/apps/details?id=com.manparvesh.iitgstudygroups)).

Android Application for IIT Guwahati Students to create study groups with firebase as backend.

Aug '15 **pocketpa.**

Android based personal assistant to monitor upcoming events with parse.com as backend.

2016 – **Other projects.**

- List of mini projects: manparvesh.com/miniprojects
- List of open source contributions: manparvesh.com/contributions

Guided projects (research.manparvesh.com)

- 2015–2016 **CONTRADIS** (contradis.github.io), *Guide: Dr T.V. Bharat.*
Java based cross-platform inverse analysis suite, utilized for estimating certain parameters using experimental observations in contaminant transport experiments and nature-based optimization techniques. Using the results obtained from this software, two studies were carried out.
- 2014 **Soil classification systems** ([Google play store](https://play.google.com/store/apps/details?id=com.manparvesh.soilclassification)), *Guide: Dr A Murali Krishna.*
An Android application developed with the objective of helping Geotechnical engineers in classifying soil samples. One paper was presented based on this application.


Publications

- Dec '16 **Partha Das, Man Parvesh SR and Bharat TV**, “*Experimental analysis of salt diffusion in compacted clays by Through Diffusion and Half-Cell technique*”, Indian Geotechnical Conference IGC 2016, IIT Madras, Chennai, India (Awarded best paper).
- July '16 **Partha Das, Man Parvesh SR and Bharat TV**, “*Salt Diffusion in Compacted Plastic Clay: Experimental and Theoretical Evaluation*”, International Conference on Soil and Environment, IGS Bangalore chapter, India.
- Oct '14 **Man Parvesh SR and A. Murali Krishna**, “*Development of an Android application for Geotechnical engineers*”, NES-GeoCongress on advancements in Geotechnical engineering, IIT Guwahati, India.

Technical skills

- Proficient / Intermediate Java, Maven, C++, CI, Python, C, git, Android, Shell scripting, JavaScript, MATLAB, SQL, HTML, CSS
- Familiar Golang, \LaTeX , Visual BASIC, AWS, Google Closure, Windows development

Hobbies and achievements

- Photography  photos.manparvesh.com.
Led Montage - the photography club of IIT Guwahati; won a few contests; led photography teams in different college fests; managed some photo exhibitions.
- Open Source Contributor to some projects on Github; participated in Hacktoberfest 2017 - maintained three repositories and contributed code too.
- Sports Swimming, Cycling, Football, Basketball
- Kick-boxing Was awarded a First Degree Black belt by Budo Ryu Kempo, Australia in 2006