Ravi Chandra Reddy N

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Education

BV Raju Institute of Technology (2014 - 2018)

- Bachelor of Technology in Electrical and Electronics Engineering.
- Organizer for Technical, Cultural events and Industrial visits.
- Supplementary Education in Embedded and Assistive Technology at Assitive Technology Lab.

Skills

- Java, Python, C, Basic C++, HTML, CSS, Git, Bash, LaTeX, PostgreSQL

Experience

National Remote Sensing Center (2018)

- Project Student
- Designed and developed standard ways to trans-receive data from sensors and actuators to Bhuvan IoT Cloud.

Projects

- Nomsh, a shell written in C.
  - Supports execution of builtin and executable commands.
  - Supports output redirection.
  - Wrote a Makefile for creating an executable.
- Amrika, a compiler written for a cooked up language.
  - Wrote grammar for a language, that draws from popular languages and implemented parser, lexer, and emiter for the same from scratch.
  - Implemented print and assignment statements and analogues to if conditional and while iteration.
  - Wrote a makefile to generate the compiler, and a bash script to run the compiled code.

- Lavangam, a trie-based command line spell checker.
  - Implemented a trie to store/search for words.
  - Implemented Levenshtein's algorithm to calculate distance between two words.
  - Utilized wordlist from NLTK corpus.
- Holyperil, a command line planetory monitering application.
  - Code written in Python to notify potentially hazardous/ dangerous asteroids approaching Earth.
  - Used an offset of six days, to prepare just in case of an approaching hypothetical danger.
  - Utilized NASA's Asteroids - NeoWs API for the search.
- Freddie, a text-only browser.
  - Code written in Python to extract text from webpages, bypassing HTML tags, CSS, and all kinds of media.