Nimai Patel

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Skills

Programming Languages
- C, C++, Bash and POSIX compilant shell script, Python, JavaScript, Haskell, Lua

Tools
- Git, UNIX and GNU core utilities, Vim, LaTeX

Web Development Stacks
- React, Node.js, MongoDB, PostgreSQL, WebSockets, RESTFful APIs

Experience

Embedded Systems Intern at Meshnet
- I implemented over-the-air updates, NTP time sync and various other features on the ESP-IDF platform

Technical Head of CSI
- I mentored a team of 5 sophomores in various projects that we take up for the college's CSI chapter
- I also maintain the various websites and server side software that CSI builds

Contributing to and Maintaining FOSS projects
- I contribute to and maintain some miscellaneous free and open source software projects which can be found on my Github page
- I also have experience in package deployment and management for Arch Linux. I maintain the package for brn which is a program I have written and maintain: https://aur.archlinux.org/packages/brn-git

Intern as SOC Analyst at RNS Technology
- This is my sophomore year summer internship at RNS Technology which is a cyber security firm
- I learnt about system and organization control operations and how these repetitive tasks can be automated

Maintaining Literature Society's Web Site
- I maintained the literature society's CMS based website in the past

Projects

brn
- This is a text editor based bulk rename utility written in C for GNU/Linux
- Compared to similar programs written in scripting languages, brn can handle edge cases like swapped names atomically – without creating temporary files – using GNU/Linux's renameat2 system call
- Repository link: https://github.com/nimaipatel/brn

dwm, st and dmenu
- These are my forks of C-based X11 window managers and terminal emulators patched with extra features
- Repository link: https://github.com/nimaipatel/st

Official Website of College's CSI Student Chapter
- This is a static site generated using React based components
- The site is running at: https://djcsi.co.in

Leaving Certificate and Railway Consession generation system
- Used by students of the college to request railway concession from the college and generating leaving certificates
- Web client made using React and Firebase real-time database

FindIt – A Lost & Found Management tool
- This was my team's submission to CSI's hackathon
- Project repository: https://github.com/nimaipatel/findit

StackReview – A code review website
- This was my team's submission to OAuth's 2020 Hackathon
- Project repository: https://github.com/stackreview

EDUCATION

D.J. Sanghvi College of Engineering   2019 - 2023 (expected)
   - B.Tech IT Engineering
   - Average CGPA over 5 semesters: 9.42

Pace Junior Science College   2017 - 2019
   - HSC Science
   - 76.15%

D. G. Khetan International School   2017
   - IGCSE with 7 subjects
   - A* (93.29%)