

Education

Dual Degree (Mechanical Engg) **IIT Kharagpur** **CGPA 8.43/10.0, upto Spring 2017**

- Final year; Minor in **Mathematics and Computing**; Graduating in April 2018;
- Related coursework: Design and Analysis of Algorithms; Operating Systems; Cryptography and Network Security; Parallel and Distributed Algorithms; Graph Theory; Probability and Statistics;

Skillset

- **Proficient:** Javascript, C, MongoDB, HTML, CSS
- **Familiar:** Ruby, Python, Java, MySQL, PHP
- **Frameworks:** ExpressJS, Elastic Search, Redis, Android SDK, Ruby on Rails, CodeIgniter (PHP)
- **Environment:** Ubuntu, Bash, Git, Vim

Experience

Backend Intern (JavaScript) **Elanic** **May 2017 - July 2017**

- Elanic is a platform for buying and selling pre-owned items
- Designed and implemented a Regular Expression-based Spam filtering algorithm, deployed in June 2017
- After deployment, this system led to a significant reduction in spam comment volume across the application
- Designed and implemented Groups feature in the backend, starting from scratch
- Groups are collections of users and posts. They add a social aspect to the buying experience
- Implemented user search in groups using Elasticsearch's full-text queries and some term-level queries
- Designed and implemented a database caching layer for MongoDB in Redis, to improve API response times
- Deployed these features to **1.02 Million users**, on the Android and iOS application

Technologies: Node.js, ExpressJS, MongoDB, Elasticsearch, Redis, Postman, Kibana, REST API [... Project Details](#)

Android Developer Intern **Hiperware Labs, Inc** **May 2016 - August 2016**

- Completed the port of the iPad app ClassHero (previously Learn and Earn) to Android in 3 months
- ClassHero is an educational app targeted at kids in grades 1 through 4. It is used by nearly **1500 children** in the US
- Integrated the In-App Billing API for incorporating the subscription-based business model
- Extensive use of the Fragment and MediaPlayer APIs. Built custom layout containers to replicate the iOS layout

Technologies: Android SDK, Java, Volley, OkHttp, Node.js, Gradle, MongoDB, Heroku, AWS [... Project Details](#)

Open Source

Summary of Open Source Projects

- Released 24 modules on NPM - Cumulatively, downloaded **29,400+ times** since May 2015
- Maintainer of [MFQP](#) - previous year question paper search utility - **18,000 unique visitors** since January 2016
- [Projects and internships showcase](#) || [NPM](#)

Open Source Project **CLI Rubik's Cube Timer** **Released May 2015**

- [cli-cube-timer](#) is an NPM module that measures the time that an enthusiast solves the Rubik's Cube in
- The module maintains a history and prints useful metrics that document the solver's improvements over time
- Built in [Gist API](#) integration that will maintain a backup of all measured times in a [Gist](#)
- This module has been downloaded **more than 4700 times** during Oct 2016 - Oct 2017 and nearly **10,500 times** since it's release

Open Source Project **Terminal Wallet Manager** **Released July 2015**

- [terminal-wallet](#) is a module to manage your wallet from the terminal with options like *stash*, *debit*, *credit*, etc
- Common accounting options like debit, credit, category-wise expenditure
- Accounts can be exported to CSV for storage or archival. Ideal for day-to-day expense tracking
- This module has been **downloaded 2300 times** since it's release