**Rihan Pereira**

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**Experience**

[Bitstreet Technologies MUMBAI](http://bitstreet.in/)

**Software Developer** *Jan 2016 – Dec, 2017*

• Managed multiple repositories using git-flow model among team of 4 developers.

• Contributions in logical and persistence tier of experimental [**wallet app**,](https://rihbyne.github.io/diy/digital-wallet/) bitcoin(BTC)/bitcoin cash(BCH) gateway integration.

• Secured user accounts using [**salting & hashing** and](https://rihbyne.github.io/blog/user-auth/) Multi-factor Authentication(2FA).

• [**HMAC & Signing** applied](https://rihbyne.github.io/blog/hmac-authentication/) to JSON-REST API calls.

• Studied & implemented [**Nonce** between](https://rihbyne.github.io/diy/nonce-auth-systems/) internal services.

• Built a [**time-series** data](https://rihbyne.github.io/diy/notification-core/) archiving program spread across multiple MongoDB collections and state- less cursor based [**pagination API** on](https://rihbyne.github.io/diy/stateless-pagination/) top of it.

• Used [**software multitenancy** on](https://rihbyne.github.io/diy/multi-tenancy/) application server for resource sharing among different tenants.

[Aasaanjobs MUMBAI](https://www.aasaanjobs.com/)

**Software Development Engineer I** *Dec 2014 – July 2015*

• Refactored and wrote new responsive UI.

• Wrote Javascript code to handle REST endpoints and render dynamic html views.

• Wrote automated UI tests using PhantomJS - headless browser environment.

• Wrote python/js scripts to traverse spreadsheet data to fanout notifications.

• learned hands-on git best practices - resolving merge conflicts, branching, hotfixes, stash, interac- tive rebase.

[California State University, Channel Islands CALIFORNIA](https://www.csuci.edu/)

**Technology & Innovation Student Assistant** *Aug 2019 – present*

• provided IT helpdesk support which involved imaging/upgrading/assembling/troubleshooting/

decommissioning computers, maintaining zoho inventory, as well as onsite customer service.

*I maintain my list of active and past projects at* [*rihbyne.github.io/diy.*](http://rihbyne.github.io/diy)

**Education**

[California State University, Channel Islands CALIFORNIA](https://www.csuci.edu/)

**Master of Science(M.S) in Computer Science** *Jan 2018 – Dec 2019(expected)*

• Currently working on continuous, topical crawler with deployment on AWS for my master’s [project.](https://github.com/rihbyne/csuci-mscs-thesis-dist-web-crawler/blob/master/initial-writeup/initialwriteup.pdf)

• Lo-fi sketches & codework on two-way [length converter &](https://github.com/rihbyne/linear-length-converter) interactive [dashboard -](https://github.com/rihbyne/watch-ml-behave) train/load/save handwritten digit classifier based on supervised ML and display metrics of its performance.

[Mumbai University, St. Francis Institute of Technology MUMBAI](http://www.mu.ac.in/)

**Bachelor of Engineering(B.S) in Information Technology** *June 2010 – May 2014*

**Skills**

**Tools & Programming:** python/javascript/node.js/java, html5/css3, react(*learning*), aws solutions architect, rabbitmq, docker, vim/intelliJ, django/flask/expess.js, memcached, mongodb, nosql, mysql, git.

**Achievements**

• Awarded and recognized as a “Top Performer”, “Best Performing Team”, “Meeting Expectations Plus

Performance” for the year 2017 at [Bitstreet Technologies.](http://bitstreet.in/)