# Rihan Pereira

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## EDUCATION

### MUMBAI UNIVERSITY
BE in Information Technology
July 2010-2014 | Mumbai, MH
St. Francis College of Engineering

### THOMAS BATISTA J COLLEGE
grade-12(Science)
Feb 2010 | Mumbai, MH

### ST. AUGUSTINE HIGH SCHOOL
grade-10
March 2008 | Mumbai, MH

## LINKS

blog:// **swlogs.me/blog**
DIY Projects:// **swlogs.me/DIY**
goodreads:// **goodreads.com/rihbyne**
gitHub:// **rihbyne**
soundcloud:// **@rihan**
quora:// **Rihan-Pereira**

## COURSEWORK

### UNDERGRADUATE
Intro. to Computer Science
Data Structures and Algorithms
Object-Oriented Design and Principles
Operating Systems
Cryptography
Computer Networks
Database and Storage Management
Software Testing and Quality Assurance

## SKILLS

### PROGRAMMING
Extensive:
NodeJS • Python • Javascript • Unix
Git • Emacs
Comfortable:
Java • NoSQL • SQL
Familiar:
Memcache

## ACHIEVEMENTS

| 2007 | 1st/10 | Inter-Class Music |
| 2006 | 1st/13 | Inter-Class Music |
| 2004 | 2nd/5 | Inter-Class Art |
| 2004 | 3rd/6 | 4x100 Mts. Relay,Sports |
| 2002 | 2nd/6 | 4x100 Mts. Relay,Sports |

## EXPERIENCE

### BITSTREET TECHNOLOGIES | Software Developer
Jan 2016 – present | Mumbai

- Solid exposure in logical and persistence tier of their multi-tier architecture. Currently developing BTC involved transaction APIs and automating withdrawals using Bitgo services.
- Code management lead. Encouraged organized Git workflow among teammates.
- Secured user accounts using **salting & hashing** technique.
- Became familiar with and thereafter used **HMAC Authentication & Signature Verification** applied to API calls.
- Studied & implemented **Crytographic Nonce** as a middleware in logical tier to refuse replay attacks.
- Developed code to enable stateless cursor based pagination API at scale, spanning data over multiple collections. It was reused twice in different application context on production.
- Developed code to enable software multitenancy on application server to share common set of resources among different merchants using (Role-based Access Control)RBAC and database isolation.
- Produced comprehensible documentation

### AASAANJOBS | Software Development Engineer
Dec 2014 – July 2015 | Mumbai

- Excercised acquired understanding of DVCS tool **Git**, learned to resolve merge conflicts, branching, hotfixes, stash, git-flow.
- Refactored and wrote new responsive static UI.
- Wrote Javascript code to handle CRUD endpoints and operate on it for dynamic UI experience.
- Applied understanding of Python/Django MVC, used Django's built-in ORM to write aggregate queries in controllers.
- wrote python/js scripts to perform database cleanup and automate SMS triggering.

### GOOGLE SUMMER OF CODE 2013 | project participant
April 2013 – June 2013 | Google Melange

- Drafted a technical project prosopal about automating bug reporting for participating organization **Tim Videos**.

## PROJECTS

### ELECTRICAL APPLIANCE CONTROL & INTEGRATION
Feb 2014 – April 2014

- Final year undergraduation project inspired from Internet of Things(IoT), machine to machine(M2M) concept.It makes use of Open Source hardware, Raspberry Pi.
- The request routing logic is written on top of Express middleware framework and deployed on **Node.js** application server running on Raspberry Pi.
- The logic is then exposed as REST like web service endpoint which is then invoked from a Web-app/Command-Line(CLI) client.