

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](https://github.com/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	1 st /10	Inter-Class Music
2006	1 st /13	Inter-Class Music
2004	2 nd /5	Inter-Class Art
2004	3 rd /6	4x100 Mts. Relay,Sports
2002	2 nd /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 currency involved transaction APIs and processing auto-withdrawals.
- 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 **Cryptographic 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

- Exercised 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 proposal 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.