

GauravRathi

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Summary : A tech-savvy Computer Science graduate from IIT Guwahati with strong development experience in IT. Expertise in creating REST-based APIs.A quick learner, self-starter and ability to do multi-tasking, prioritize tasks to deliver efficient solution while meeting the timeline.

Academic Credentials:

Exam / Degree	Institution	Year
B. Tech in Computer Science and Engineering (CSE)	Indian Institute of Technology (IIT), Guwahati, India	2009 - 2013
Standard XII Board (CBSE)	Central Academy,Kota,India	2008
Standard X (CBSE)	Yugantar Public School, Rajnandgaon,India	2006

Skills:

Languages : C, C++, PHP,Python, Java , JavaScript, jQuery, HTML, Shell Script
Database : PostgreSQL, MongoDB (NoSQL), MySQL
CMS : Drupal, Joomla
Framework : Django, Ember, Yii, Play
Tools : Adobe Dreamweaver, CSS, Bootstrap
OS : Linux (Ubuntu), Windows, Back-Track.

Industrial Experience:

Company: JanaCare Solutions Pvt. Ltd. Bangalore, India [Jan 2015 – Present]

Designation: Software Engineer

- Building mobile based diagnostic and evidence based lifestyle programs for diabetics.
- Working as a full-stack engineer in a Startup environment.
- Recently designed a MVP (Minimum Viable Product) for a new product using ember, Django, bootstrap.

Stay4Sure - Co-Founder and Lead Developer [Sept 2014 – Dec 2014]

- An endeavour to reduce the cost of accommodation for travellers and help people generate alternate income.
- Designed and developed MVP (Minimum Viable Product) for initial experiment.
- Established and lead a small team which was involved in conducting surveys (offline and online) and analysing the feedbacks.

Company: Y Media Labs, Bangalore, India [July 2013–Sept 2014]

Designation:Associate Software Engineer

Client : **Stanford University, CA, United States**

Project : iPad application for online portal hoover.

Environment: Drupal, PHP, MySQL

Responsibilities:

- Analysed and integrated various data sources in efficient way for presenting on Mobile/Tablet applications.
- Developed REST APIs for different components of application like podcasts, news, articles.
- Lead the development for beta release of application.

Project: VigorWay, a social network mobile application to share and connect with gym enthusiasts.

Environment: Joomla, MongoDB (NoSQL), MySQL, PHP

Responsibilities:

- Developed REST APIs for various modules such as register, follow, share.

- Prepared test-cases to check the edge conditions for some of the APIs.

Project: Ouffy, mobile based application for collaborative albums.

Environment: Play framework, Java, PostgreSQL

Responsibilities:

- Designed memory efficient model class for user settings and multiple image handling.
- Designed algorithm for background upload of image on iOS device using silent notification.
- Implemented queue based Push Notification system.
- Developed REST APIs for different components like create, invite to album.

Company: Techpreneurs India Private Limited New-Delhi [May- July 2012]

Environment: ZendFramework, PHP, MySQL, jQuery, HTML5

Responsibilities:

- Developed Zend/PHP based Social Email-client module which included back-end functions and UI to manage/view emails.
- Developed search APIs for movie search, information search. Tasks involved scrapping of data from different sites and developing web services to serve the request.

Research Work: Summer Internship at Network Security Lab, IIT Guwahati [May-June 2011]

Brief:

- Based on Penetration testing. It encompassed exploit programming, usage of pentest framework METASPLOIT.
- Major emphasis on various types of SQL Injection and its successful implementation.

Bachelor Thesis Project

Implicit Rating System

[July 2012 –June 2013]

Project Guide: Dr. Sanasam Ranbir Singh, Department of CSE, IIT Guwahati

- Developed an algorithm for generating implicit rating by analysing user behaviour and user history.
- Used Machine learning techniques.

Academic Project Work

• Buy-Sell-Auction Web Portal

[July-Nov 2011]

Designed and implemented a fully functional web portal for local IIT Guwahati community where users can buy/sell their items and can also take part in auction of items.

Environment: Python, PHP, MySQL, JavaScript

Project Guide: Prof. Amit Awekar, Department of CSE, IIT Guwahati.

• Desktop Search Engine

[Jan-April 2011]

Developed a search engine that could search required text file by priority matching technique of the input string with the content of the text files. The search results were ranked according to extent of matching with the inputs. The search index was scalable and flexible so as to incorporate updates.

Environment: Python, PYQT.

Project Guide: Prof. Santosh Biswas, Department of CSE, IIT Guwahati.

Achievements and Extra-curricular Activities

- Secured **99.4% percentile** among 1 million students who appeared in AIEEE 2009
- Among top **0.5%** of students who attempted IIT JEE 2009.
- Won prizes in essay-writing, athletics at school level.
- Attended Ethical Hacking Workshop by Techdefence-sunny vaghela, at Kriti 2010, IIT-Guwahat