

Arihant Sethia

Software Development Engineer
Amazon.com
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Degree	Institute	CGPA/%	Years
Bachelor of Technology	Indian Institute of Technology Guwahati	8.24/10	2011 - 2015
Senior Secondary	Vidya Mandir Sr. Sec School, Kota	82.3%	2009 - 2011
Higher Secondary	Baldwin Boys' High School, Bangalore	93.6%	2009

EXPERIENCES

Software Development Engineer, Amazon

July'15 - Current

Identity Services, Amazon

- Currently working on developing a mechanism for services owned by Identity Services to protect itself from misbehaving clients.

Software Development Intern, Amazon

May'14-July'14

Yogesh Golwalkar, Identity Services, Amazon

- Developed a new approval based multi-factor authentication. This method provides a more secure and user friendly experience than the current OTP based multi-factor authentication provided by Amazon.
- Developed an online portal for managers to track progress of projects as well as availability of developers in Identity Services Team.

Software Development Intern, HackerRank

May'13-July'13

Hari Shankaran, Co-Founder, HackerRank

- Developed a secure cross-platform browser to take online tests. Also, built the interface for creating and submitting UML and Electrical diagrams for tests.
- Built an internal admin panel for HackerRank administrators.

PROJECTS

De-Identification of Medical Records

Prof. Ashish Anand, Dept. of CSE

Designed and develop a flexible software suite to help in clinical data analysis. The suite currently deploys techniques to de-identify medical records and extract medical concepts from medical corpus.

DASH - Distributed Alignment of Sequences using Hash

Prof. Ashish Anand, Dept. of CSE

Implemented a distributed system to align DNA reads obtained from experiments in human genome.

Relational Database Management System

Prof. Sanasam Ranbir Singh, Dept. of CSE

Developed a *RDBMS engine* which supported a subset of *SQL* queries. It supported select, insert, delete, update and nested conditional queries along with creation & deletion of indices, primary key & unique constraints over field(s).

Web Search Engine

Prof. Sanasam Ranbir Singh, Dept. of CSE

Developed a search engine over a dataset of 1.6 million webpages using various techniques of information retrieval.

FTP Server & Client

Prof. S.K Nandi, Dept. of CSE

Created multi-threaded File Transfer Protocol (RFC 959) server and client using *C Stream Sockets* Library.

Coding Portal for IIT Guwahati

Dr. P.K Das, Dept. of CSE

Developed an online portal where coding contests can be held by Coding Club of IIT Guwahati. This portal enabled users to code and submit solutions in multiple languages.

SyncUp

Microsoft Code.Fun.Do Hackathon

Developed a Windows Phone/Desktop Application to allow users to access, edit and share files over intranet across multiple devices.

SilentZio

Google Developer Group Hackathon

Developed an android application to manage calls of the user according to his/her calendar events. I contributed to this project by designing and developing the UI, core logic, and managing user data.

Gymkhana Automation Portal

Website Development Contest, Kriti'13

Developed an online portal to automate the approval process for event and venue reservation in IIT Guwahati. This project was build using JSP and MySQL.

TECHNICAL PROFICIENCY

- Programming Languages: C, C++, C#, Java, Python, Haskell
- Scripting Languages: JavaScript, PHP, JSP
- Markup Languages: HTML, LATEX
- Software Packages: Eclipse, Visual Studio
- Operating System: Windows, Linux

POSITIONS OF RESPONSIBILITY

Branch Representative, Dept. of Computer Science & Engineering

July'12 – April'13

Acted as point of interaction between students and faculties. I was also responsible for resolving batch related issues and organizing various departmental activities.

Technical Secretary, Barak Hostel

July'12 – April'13

Led hostel in various technical competitions including Kriti'13 - Inter Hostel Technical Competition. Also, built and maintained hostel website.

ACHIEVEMENTS

- **Runner Ups** in **Code.Fun.Do'14** and **Code.Fun.Do'13** organized by **Microsoft** in IIT Guwahati.
- **Winner** of **Website Development Competition** held in **Kriti'13 – Inter Hostel Technical Competition**.
- **Winner** of **Google Devfest** held by **Google Developer Group**, IIT Guwahati in 2012.
- **Ranked** in **Top 0.3%** amongst **0.5 million** aspirants in **IIT-JEE 2011**.
- **Ranked** in **Top 0.05%** amongst **1.5 million** aspirants in **AIEEE 2011**.
- Shortlisted for **KVPY Fellowship 2010**.

(References available on request)
