

ABHISHEK VERMA

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EDUCATION

IIIT Allahabad

Dual Degree B.Tech.(IT) + M.Tech.(SE) Software Engineering *GPA: 8.40*

Allahabad, UP

Grad: June 2018

Stephen's International Public School

HSC *91%*

Jammu, J&K

Grad: April 2013

Army School Damana

SSC *GPA: 10*

Jammu, J&K

Grad: April 2011

EXPERIENCE

IIIT Allahabad

Software Developer

Allahabad, UP

Jan 2016 — Jul 2016

- Was responsible for the conceptualization, design and architecture.
- Fully-Functional Examcell management system supporting all the necessary features and customized specifically for our college, IIITA.
- Fault tolerant supporting auto backups and rollbacks whenever required

SKILLS

Programming Languages: C/C++, Python, Java

PROJECTS

Interpretation of Mammogram Classification *Python*

- Found a novel method of interpreting the results of SVM by highlighting the area affected with cancer.
- Multiple techniques like regression, division of images using Quadtree, tensor etc. have been used.

Biological Data Analysis using Spark *Java, Spark, OpenStack(Nova, Swift, Neutron)*

- Created Spark jobs for handling molecular data(PDBs)
- Created Spark jobs for calculating metrics of molecules(Average Structure, RMSD etc.)

Company Performance Evaluation Cloud Tool *Java, Apache Tomcat, Heroku*

- Created different services for fetching data, analyzing data and visualizing it
- Created one service for combining all the above services, leading to better management of code and easier integration

P2P File Sharing System *Python*

- Used complete binary tree topology for the system
- Designed protocols for inserting and deleting peers
- Implemented the protocols using *socket* library of Python

AWARDS

11th rank(India) and 79th rank(World)

Google Kickstart July 2017

July 2017

Certificate of Appreciation

Awarded certificate for the successful completion of the Examination Cell Portal

July 2017