

# ABHISHEK VERMA

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## EDUCATION

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### 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

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### 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, IIIT Allahabad.
- Fault tolerant supporting auto backups and rollbacks whenever required

## SKILLS

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

## PROJECTS

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### 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 protein 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

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### 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