AADIL HAYAT

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Academic Qualifications

Year	Degree	Institute	CPI
2017*	Bachelor of Technology	Indian Institute of Technology Kanpur	8.5/10
2013	AISSCE (CBSE XII)	Delhi Public School Kalyanpur, Kanpur	94.0%
2011	CISCE (ICSE X)	Margaret Leask Memorial English School, Jhansi	90.8%

Expected Year of Graduation

Scholastic Achievements

- Secured **All India Rank 1729** among nearly **150,000 students** in **JEE Advanced 2013**
- Secured **3rd** position in **Open Soft** (Software Development) competition at **Inter IIT Tech Meet 2015**
- Awarded **2nd Project Appreciation Award** in **TA-202 ME Lab 2014 - 15**
- Secured **3rd** position in **Hackathon** during **Entrepreneurship Summit 2014** organised by **Entrepreneurship Cell IIT Kanpur**
- Secured **All India Rank 42** in **National Talent Search Examination 2012** conducted by **Unified Council**
- Shortlisted in **Kishore Vaigyanik Protsahan Yojana 2012-13** and **2011-12** Aptitude Test

Internships

- **Web Infrastructure and Web Crawling**   *IIT Kanpur , May'15 – July'15*
    - Installed and configured CoreOS and Dockers on a bare metal server remotely.
    - Developed cloud-config for CoreOS and systemd unit services files for various Dockers.
    - Developed custom Dockerfiles for Postfix, MySQL and Hadoop cluster.
    - Developed DOM parsers for organizations' and individuals' pages from professional networking websites.
    - Implemented multi-threaded python program to crawl specific websites.
    - Installed and configured Docker based Hadoop cluster using hadoopy Map-Reduce API for Python.

Projects

- **Project SPORADA**   *Open Soft , Inter-IIT Tech Meet , January'15*
    - Developed a system to make the popular content available on phones having sporadic data connection
    - Designed backend server , Implemented automatic modification detection and incremental updates to client
    - Implemented intelligent storage management , file downloading and file rendering system client side
    - Secured **3rd** position among top developers from almost all famous IITs
- **3d Game – ' It's Placement Time '**   *Computer Graphics , August'14 – November'14*
    - Implemented OpenGL API in C++ to develop a 3d game, a comical picturisation of placements
    - Implemented gravity simulation, multi-player gaming , heads-up display, texture mapping and saving screenshots
- **Online Judge**   *Summer Project , Programming Club , May'14 – June'14*
    - Developed web application using PHP , C , HTML/CSS & JavaScript for online programming competitions
    - Designed Administrative tools for intuitively managing and conducting competitions
    - Implemented background program compilation and execution for C and C++
- **Event Manager**   *Advanced Track Project, Fundamentals of Computing, January'14 – April'14*
    - Developed Windows Store App using C#/XAML for events management at IIT Kanpur
    - Developed JSON API using PHP/MySQL for event synchronisation between database and local client
    - Designed Intuitive UI for event creation and notification
- **3D YouTube**   *http://web-leap.github.io/youtube3D/ , Open Source Project, December'14*
    - Developed 3d version of YouTube using THREE.js and added gesture support using LEAP.js and LEAP controller
    - Implemented gesture based scrolling , play , pause , mute , unmute and quality change
    - Designed intuitive and attractive 3d user interface and implemented 3d animations

- ➤ **Student Portal IIT Kanpur** *Hackathon, E-Summit, August'14*
  - Developed a web application with the attempt to incorporate all the online services available for IITK students
  - Scrapped students , course and exam schedule databases of IITK using python having 3000+ results
  - Developed intuitive UI for student search and exam schedule
  - Awarded **3rd** position among all the teams
- ➤ **Web Scrapping Projects**
  - Scrapped popular online SMS sending website way2sms.com and developed console based application to send SMS to phone *[June'14]*
  - Scrapped google translate and developed a console based application to translate any language to any language supported by google *[June'14]*
  - Scrapped IIT Kanpur's student's database and saved it to a MySQL database *[June'14]*
  - Scrapped IIT Kanpur's Online Academics Registration System's course database and saved it to local MySQL database using Python *[August'14]*
  - Scrapped IIT Kanpur's Personal Exam Schedule Portal and saved it to JSON file *[August'14]*
  - Scrapped 4+ Europe based e-commerce websites for Data Analytics Start-Up as a part of distant intern *(names not mentioned to avoid controversies. Names , database and scripts can be provided on request) [September'14]*
- ➤ **Other Technical Projects**
  - Can Crusher *Manufacturing Processes Project , August'14 – November'14*
  - Pin code Explorer *Microsoft Code.fun.do , January'14*
  - Student Search Web App using AngularJS *ACA Summer School, May'14 – June'14*
  - Student Search Android App *ACA Summer School, May'14 – June'14*
  - IIT Kanpur Timetable App *Self Project , Ongoing*
  - Facebook Timeline Search *WebDev, Takneek'14, August'14*
  - Electronic Notification Board *Science and Technology Council IIT Kanpur, December'14*

Technical Skills

Programming Languages	C, C++, C#, Java, PHP, Python, JavaScript, SQL
Frameworks and Libraries	OpenGL, Hadoop, Dockers, Hadoopy, CodeIgniter , Semantic-UI , jQuery , LeapJS , ThreeJS
Mark-up and Styling	XHTML/HTML, CSS and XAML
Tools & Packages	GIT , AutoCAD , Octave , Matlab
Development Environments	Visual Studio , PHPed , Cloud9 and Android Studio
Databases	MySQL, Hbase
Operating Systems	Linux (Ubuntu, CoreOS) , Windows
Areas of expertise & Interests	Web Development, App Development, Game Development, Web Scrapping, Machine Learning, Natural Language Processing, Algorithms, Web Infrastructure, Distributed File System, Big Data, Unmanned Aerial Vehicles

Relevant Courses

- ➤ Introduction to Natural Language Processing *CS671A, Semester V**
- ➤ Principles of Programming Languages *CS350A, Semester V**
- ➤ Algorithms II *CS345A, Semester V**
- ➤ Data Structures and Algorithms *CS210A, Summer'15*
- ➤ Introduction to Computer Graphics *CS360A, Semester III*
- ➤ Fundamentals of Computing *ESC101A , Semester II*
- ➤ Introduction to Data Structures and Algorithms *ACA Summer School 2014*
- ➤ Web Fundamentals *ACA Summer School 2014*
- ➤ Basic and Advanced C++ *ACA Summer School 2014*
- ➤ Hadoop *Udemy, Summers' 2015*
- ➤ Machine Learning *Stanford University, Coursera, Summers' 2015*

Positions of Responsibility

- ➤ **Academic Mentor** of **Fundamentals of Computing** course
- ➤ **Coordinator** of **Programming Club IIT Kanpur**
- ➤ **Secretary** of **Programming Club IIT Kanpur**
- ➤ **Webmaster , Crypto'14** *http://crypto14.comoj.com/team.php*