

Ashhar Hasan

B. TECH. · COMPUTER ENGINEERING

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Education

Faculty of Engineering and Technology, Jamia Millia Islamia (Central University)

New Delhi

B.TECH, COMPUTER SCIENCE AND ENGINEERING

2013–2017

- CPI: 7.85

Jawahar Vidya Mandir

Ranchi

CLASS XII (CBSE)

2011–2013

- Percentage: 82.4%

Jawahar Vidya Mandir

Ranchi

CLASS X (CBSE)

2009–2011

- Score: 10 CGPA

Key Achievements

- Regular contributor to many open source projects including Mozilla Firefox, Microsoft VSCode, OpenLiveWriter and NeoVim.
- Developed a python module which is currently used by the Python Software Foundation for managing it's GSoC students' blog schedule.
- Worked on a national level project for NIC to prevent the piracy of web applications within government departments.

September
2016–Present
April 2016

August 2016

Experience

National Informatics Center, Government's Web Services Organization

New Delhi

SOFTWARE DEVELOPER INTERN

June 2016–September 2016

- Developed and implemented a web application licencing system to prevent piracy of software developed by NIC saving money on support calls and driving revenue.
- Part of the team that implemented the centralised web-service to keep track of issued licences.
- The system was implemented using **Java Struts2**, **Hibernate ORM** and used **PostgreSQL** on the backend.

Mecon Ltd., A Ministry of Steel Undertaking

Ranchi

SOFTWARE DEVELOPER INTERN

December 2014–February 2015

- Developed a module for Mecon Ltd.'s e-Office solution which allowed people to schedule, set the agenda, keep track of due dates and responsibilities.
- Automated the process of generation and updation of minutes of meetings in their departmental meetings saving valuable time.
- The system was implemented using **ASP.NET MVC** and **C#** and used **Microsoft SQL Server 2008** as the data backend.

Skills

Programming C/C++, C#, Java, Python, Bash and Sh, PowerShell, MySQL, MS-SQL, PostgreSQL, LaTeX, TypeScript

Web ASP.NET MVC, Django (Python), PHP, HTML5, CSS3, JavaScript, jQuery

Software Visual Studio, Vim, git, mercurial, Docker, Linux System Utilities (system monitoring, maintainance and configuration), MATLAB

Key Projects

Visual Studio Code

TypeScript

- Frequent contributor to Microsoft's code editing tool VSCode.
- Responsible for adding two new user-facing features.

Open Live Writer

C#, .NET

- Frequent contributor to .NET Foundation's blog authoring tool Open Live Writer.
- Primary maintainer and designer for the product's webpage at www.openlivewriter.org

Jekyll Butler

C#, .NET

- A WPF application to manage a website using Jekyll as a CMS.

Git Robot

Bash, C++

- A git wrapper that allows to run any arbitrary git command on all git repositories within a directory tree.
- Adds commands to check for outdated licences, ignore and attribute files, broken links in readme files, list of forked repositories which are not in sync with upstream etc.

Feed Notifier

Python

- A Python module that emails students and their mentors if they have not blogged according to the Google Summer of Code schedule.
- Is used by the Python Software Foundation for managing it's GSoC students' blog schedule.

Other Projects

Docker Dev Environment

Bash, Docker

Exploratory Music Player and Recommendation Engine

TypeScript

Traffic Monitor App

C#, .NET, UWP

Visual Studio Task Tags

C#, .NET

Linux Deployment Toolbox

Bash, C++

Duplicate Song Detector

C#, .NET

Cryptographic Hash Calculator and Verifier

C++

Mass Renamer

Golang

CLI StackOverflow

C++

NCurses Music Visualiser

C++

Image Colorscheme Extractor

Bash, Python

Extracurricular Activity

FICTION — Annual TechnoCultural Magazine of CSI-JMI

EDITORIAL TEAM

2013–2015

- Contributed articles and performed the editing and short-listing of articles submitted to the magazine.
- Served as the lead graphic designer for events and orientations related to the magazine and as assistant designer for the magazine.
- Came up with online campaign ideas to improve the online presence of the magazine and the team.

Computer Society of India — Jamia Millia Islamia Student's Chapter

GENERAL SECRETARY (2015–2016), JOINT SECRETARY (2014–2015)

2014–2016

- Part of the team responsible for adding 300 new student registrations within a calendar year.
- Organised three technical workshops — Ethical Hacking and Network Security, Android Development and Python Programming.
- Organised a photography competition during annual fest AlgoRhythm and used the event to get the best photo coverage.

Mozilla Foundation

FIREFOX STUDENT AMBASSADOR

2014–2016

- Conducted sessions for getting people started with contributing to Mozilla's projects.

Department of Computer Engineering, Faculty of Engineering Technology

PLACEMENT CO-ORDINATOR

2015–2016

- Part of the team responsible for communicating with the prospective employers for placement opportunities.
- Part of the team that organised and co-ordinated last year's batch's placement sessions.

Engineering Faculty Soccer Team

GOALKEEPER

2013–2017

- Participated in the intrafaculty and interfaculty tournaments each year and came 3rd twice.
- Participated in the national level BITS League 2014 but were knocked out in the round of 8.

Public Speaking

Mozilla Meetup — Jamia Millia Islamia

New Delhi

TALK PRESENTER

March 2016

- Presented a talk titled, "Breaking Into Open Source", where I discussed the techniques necessary for getting into OSS development.
- Also discussed techniques to get familiar with a large codebase such as Mozilla's quickly.