

Hima Mahajan

Software Development Engineer

Personal Info

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Languages

Python C++ Java
C# Angular SQL C
.NET

Concepts

Object Oriented Programming
Functional Programming
Web Development
Machine Learning
Agile/Scrum

Technologies

Visual Studio ❖ Git ❖ JIRA ❖
Confluence ❖ SQL Server ❖
Microsoft Office ❖ Confluence

Key Achievements

- ❖ Elective Body member **IEEE**.
- ❖ Treasurer in the Elec. Body of **IMAGES (NGO)**.
- ❖ **District Topper** in 12th CBSE Exaимnation.
- ❖ Qualified for **ACM ICPC'18** regionals.
- ❖ Participated and nominated for **Smart India Hackathon'19**.
- ❖ **2nd rank** in **Codathon R1** by CCET at tricity level.
- ❖ Organised Aashayein **NGO** event for specially abled children.
- ❖ **Won Silver Medal** in international Maths Olympiad.

Education

Program	Institution	Score	Completion
B.Tech (Computer Science & Engineering)	Punjab Engineering College, Chandigarh	9.44/10.0	2019
12th (CBSE)	MCM DAV Centenary Public School, Pathankot	96.8%	2015
10th (CBSE)	MCM DAV Centenary Public School, Pathankot	10/10	2013

Work Experience

SOFTWARE DEVELOPMENT ENGINEER | WESTERN DIGITAL (July'19 – Present)

Working as a full-stack developer in an automated testing tool, which executes various tests on newly developed storage devices and analyse their performance. I have designed various end-to-end features, which are successfully running in production.

Tech Stack : Python, Angular, C#, SQL

SOFTWARE DEVELOPMENT INTERN | WESTERN DIGITAL (January '18 – July '18)

Developed a web interface to automate the deployment process which allows one-click deployment for all software tools application. This web application was able to perform deployment in few seconds, which was taking minutes earlier.

Tech Stack: Python, Angular, C#

Projects

AUTO-CODE GENERATION (RESEARCH PROJECT) (August '18 – May '19)

Deep Learning, Genetic Algorithms , Python

- Worked on generating source code from a set of input-output examples or any type of user input using Program Synthesis techniques. We were able to design a hybrid approach which produces result in few seconds only.

NEWS HEADLINE GENERATOR AND SUMMARISER (June '17 – December'17)

Natural Language Processing (NLP), Machine Learning, Python

- Software which accepts a news article as an input and generate summary and headline for that article as an output. We were able to generate results up to 70% of accuracy.

IMAGES (NGO) OFFICIAL WEBSITE

(August '17 – December'17)

HTML, CSS, JavaScript

- Developed an official website of an organization IMAGES with a special feature of sending the weekly newsletter to all the registered users.

Interests

- ❖ Solving Maths puzzles
- ❖ Travelling
- ❖ Badminton
- ❖ Cooking

PERSONALISED BOOKMARK ASSISTANT

(August '17 – December '17)

Machine Learning, Python

- Designed a system that categorizes bookmarks in an automated way. Further the system is designed to recommend related Web pages to the recent bookmarks.

TEXT EDITOR USING FILES

(April '16 - May '16)

C ++

- Text editor software for editing any kind of plain text files which includes undo and redo feature, working copies to prevent data loss, automatic copy feature which would append data to any file listed.

Position of Responsibility

- Designed and headed **Eclectica**, Annual Magazine for **IEEE PEC**.
- Organizing committee of Blood Donation Camp in **NSS** 2016 and 2017.
- Contributed in **Disha – Voice for Blind NGO project** by recording audio books for blind children.
- Headed Project Drishti under **NSS**.
- Headed the Tricity level event **Enigma**, which saw a footfall in around thousands.
- Co-ordinated the Annual Event **Techadroit'17**, an inter-college technical event.