

Manojit Ballav

Windows App Developer, Head of Technical Services at BEACON

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Summary

I am a person of self learning who believes in gaining knowledge in the areas of interests. I spend a lot of time exploring new technologies to keep up with the growing pace of technology. Love to take up challenges, since these help me in developing my skills. I always believe in team work which always brings the best forward.

Experience

Head of Technical Services at BEACON

March 2015 - Present (11 months)

I hold this prestigious position of Head of Technical Services at BEACON (the E-cell of University Of Engineering and Management), taking care of all the Technical Aspects of this committee.

Windows App Developer at Windows

November 2014 - Present (1 year 3 months)

I have created a Universal Windows Application for University Of Engineering and Management, Jaipur with a view of helping the university and students interact each other in the digital platform through push notifications and feedback support also providing them with updates of all the activities taking place in the university.

Courses

Bachelor's Degree, Computer Science

University Of Engineering and Management, Jaipur
Bachelor Of Technology

High School, Maths Physics Chemistry English Sanskrit

Sri Chaitanya Junior Kalasala
Higher Secondary

High School, Science

St. Ann's High School
Secondary

Education

University Of Engineering and Management,Jaipur

Bachelor's Degree, Computer Science, 2013 - 2017

Activities and Societies: Research and Development

Free Code Camp

Web Page, Digital/Multimedia and Information Resources Design, 2015 - 2016

Sri Chaitanya Junior Kalasala

High School, Maths Physics Chemistry English Sanskrit, 2011 - 2013

Grade: A

St.Ann's High School

High School, Science, 2000 - 2011

Grade: A

Activities and Societies: Participated in LIMCA BOOK OF WORLD RECORDS Quiz competition

Certifications

Introduction to Programming in Python

Microsoft March 2015

Networking Fundamentals

Microsoft March 2015

Sharing Data - XAML & openFrameworks

Microsoft March 2015

Hour of Code

Microsoft March 2015

Quick Start Challenge- Python and Mongo

Microsoft March 2015

Developer's Guide to Windows 10 Technical Preview

Microsoft March 2015

HTML5 Portability Challenge

Microsoft March 2015

Windows Azure Today

Microsoft March 2015

Windows Azure Storage and Design

Microsoft March 2015

Microsoft Advertising SDK

Microsoft March 2015

Bing Search Engine Optimization

Microsoft March 2015

Project Spark

Microsoft April 2015

Classroom Extension for Hour of Code with Touch Develop

Microsoft April 2015

Make a Website

Codecademy June 2015

Shaping the Internet - Introduction to Internet Governance

Internet Society August 2015

Shaping the Internet- History Of Internet

Internet Society August 2015

Coding for Kinetic with Scratch

Microsoft October 2015

Database Fundamentals

Microsoft October 2015

Learn Java

Codecademy October 2015

Youtube API

Codecademy October 2015

Office Guide: Introduction to Lync

Microsoft October 2015

Microsoft Azure Big Data and Business Analytics

Microsoft November 2015

Emerging Issues in Security and Privacy

Internet Society November 2015

Internalization

Internet Society November 2015

Volunteer Experience

Public Volunteer at ICANN

July 2015 - Present (7 months)

Technical Adviser at University Of Engineering and Management

September 2014 - September 2014 (1 month)

I volunteered as a Technical Adviser at "Annual Techno-Cultural Exhibition and Competition 2013-2014" held at University Of Engineering and Management Campus, Jaipur, Rajasthan.

Team Leader for App Development Competition at University Of Engineering and Management

February 2015 - February 2015 (1 month)

I was the Team Leader of the App Development Competition organizing committee and worked in a group of five, successfully executing the event.

Member at Internet Society

August 2015 - Present (6 months)

Coordinating Team Member at UEM Techno-Cultural-Sports Fest

August 2015 - Present (6 months)

We a team 7 members are coordinating the Tech Fest which is a sub-part of the UEM Techno-Cultural-Sports Fest 2015. Right from the registration to conducting workshops. We are working as a team to make the event happen.

Core Member of Management Committee at University Of Engineering and Management

September 2015 - Present (5 months)

I was one of the core member for the Technical Management Committee for the UEM Techno-Cultural-Sports Fest 2015. We have managed the entire of the Technical part of the UEM Fest which involved strategy planning, human resource management and marketing. We were also involved in conducting 5 technical workshops.

Bug/Software Tester at Mozilla

April 2015 - May 2015 (2 months)

I was engaged in testing and triaging bugs in the Mozilla Firefox webbrowser; have successfully tested and verified 10 bugs. Profile : <https://oneanddone.mozilla.org/en-US/profile/manojitballav/>

Conducted Workshop on Fundamentals of Cryptography at University of Engineering and Management

September 2015 - September 2015 (1 month)

I was the speaker at the Workshop on Fundamentals of Cryptography conducted during the UEM FEST 2015, where the attendee's were explained the fundamentals of Cryptography and its need in the modern day world. Also they were exposed to few of the famous Ciphers and Algorithm.

Conducted Workshop of Fundamentals of Windows Store Mobile Application Development at University of Engineering and Management

September 2015 - September 2015 (1 month)

I was the speaker at the workshop where the attendee's were given information on how to develop simple Windows Phone Application using Visual Studio IDE and also were given information about the aesthetic's of developing for Windows.

Skills & Expertise

Visual C#

C

Windows

C++

HTML

Research

Java

XAML

Programming

Visual Basic

CSS

Cisco Networking
Public Key Cryptography
Python
Microsoft Office
C#
Microsoft Excel
Microsoft Word
Public Speaking
Project Planning
Project Management

Languages

English	(Professional working proficiency)
Hindi	(Professional working proficiency)
Telugu	(Full professional proficiency)
Bengali	(Native or bilingual proficiency)

Projects

UEM Connect

September 2014 to November 2014

Members:Manojit Ballav

Its a Windows Metro app created for the students of University of Engineering and Management to get better access to the Universities day-to-day activities.

My Browser

November 2014 to November 2014

Members:Manojit Ballav

I have created a "Web Browser" for Windows Desktop Platform featuring a single tab with progress bar and basic utility buttons. The web browser is built on "TRIDENT" web engine similar to the web engine used by Internet Explorer 11. The major usp of the browser is its size, it's just 14 KB in size and yet delivers good performance. Its has a inbuilt flash player support, such that any most of the videos online can be streamed without any additional plugins.

Interplorer

November 2014 to December 2014

Members:Manojit Ballav

In this project I have created a "Web Browser" with multi tab capabilities developed on the "TRIDENT" web engine and once again size to performance ratio of this browser was better than the earlier "My Browser".

It has been coded differently to use discrete resources for different tabs unlike Internet Explorer which uses resource sharing technique for different tabs.

Interploder

January 2015 to January 2015

Members:Manojit Ballav

In this project I have created a File Download Manager in the Windows Platform using the Microsoft .Net Framework 3.5 with the help of Visual C#. It supports queue processing, with a clean interface. The method of operating is very easy, just have to enter the download URL address in the box provided and with the hit of a button the download starts. It automatically adjusts the number of connection request depending upon the connection speed.

Speaker

February 2015 to March 2015

Members:Manojit Ballav

Its a basic text to speech converter developed to help people go through large pages of text. Just have to copy the text and place in in the drop space provided in the application. It has been developed on the Microsoft .Net Framework and uses a voice command "CLOSE" to shutdown the application.

Designed "Coming Soon Page" for KathaGraphy

August 2015 to August 2015

Members:Manojit Ballav, Arup Deb

This page was designed for a famous professional Kathak Dancer and an avid photographer, "Sumedha Bhattacharyya".

Designed "Coming soon Page" for an NGO "The Good Samaritan"

October 2015 to October 2015

Members:Manojit Ballav, Arup Deb

The Good Samaritan is an NGO which is formed by the Nobel Young India Fellows of Ashoka University, which aims to provide access to projects on social service.

Designed "Coming Soon Page" template for startups

March 2015 to March 2015

Members:Manojit Ballav, Arup Deb

This coming soon page was designed, with a 3D animation working in the background of the page, cleanly developed with the help of jQuery.

Online Treasure Hunt

August 2015 to September 2015

Members:Manojit Ballav, Arup Deb

I was a part of the development team which developed a website holding an online treasure hunt, where participants have to compete with each other for reaching the highest level of the Hunt. We used PHPmyadmin, SQL Database, PHP, HTML, and javascript for achieving our project. And with limited time and resources we were able to complete the project within 5 days.

3D Mapper

July 2015 to August 2015

Members:Manojit Ballav

We developed a 3D mapper which is an amazing work of 3D rendering using various engines provided by "Google Dev" uses mouse gesture to track along a 3D space with geometric objects.

Interests

Technical Solutions, Exploring New Technologies.

Publications

Application of IOT in detecting health risks due to flickering of artificial lights

IEEE August 11, 2015

Authors: Manojit Ballav, sandip das, Saheli Karfa

—Internet of Things (IoT) has the ability to offer great promise in the field of health care. It can be used extensively to improve access to care, quality of care and moreover provide awareness, support and assistance to patients in remote locations. IoT can also provide assistance to patients with chronic diseases. In this paper, a cloud based user centric approach is proposed to make users aware of the health risk due to flickering of artificial light around them and provide precautionary measures if necessary. This paper calculates the flicker values of different artificial light sources using Matlab R2011a after acquiring the video from a user over cloud and notifies the user about the potential risk he/she may possess due to exposure to such lighting condition

Honors and Awards

Winner of the Web & App Development Competition

University Of Engineering and Management

February 2015

I have won the Web & App Development Competition at UEM-NEN E-Week Celebrations for creating a sophisticated Windows App targeted at the Student Life.

Organizations

Microsoft Windows

Windows App Developer

November 2014 to Present

ICANN

Public Adviser

July 2015 to Present

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[Contact Manojit on LinkedIn](#)