

NABARUN GOSWAMI

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SOFTWARE ENGINEER

Seeking an opening with an organization of repute and one that provides me with an ample opportunity to explore & excel in the fields of Image and Video Processing, Machine Learning and Automation.

SUMMARY OF SKILLS

- A hardworking and technically astute engineer, accented with the latest trends and techniques of the field, having an inborn quantitative aptitude & determined to carve a successful and satisfying career in the industry.
- Currently working with **Sony India Software Pvt. Ltd.** as a **Software Engineer**.
- Domain knowledge and areas of interest include **Image and Video Processing, Machine Learning Algorithms, C, C++, Java, Automation and Scripting Languages (Python, Matlab, Octave)**.
- Enriched with the ability to learn new concepts & technology within a short span of time.
- Highly motivated, positive and goal-oriented, with analytical approach and conceptualization. An effective team player with exceptional planning and execution skills coupled with a systematic approach and quick adaptability.

Educational Qualification

Degree	: Bachelor of Technology in Electronics and Communication Engineering, 2012
Institute	: Tezpur University, Tezpur, Assam
University	: Tezpur University.
CGPA	: 8.18
Degree	: AISSCE (XII CBSE Board Examination), 2008
Aggregate	: 89.8
Degree	: AISSE (X CBSE Board Examination), 2006
Aggregate	: 89%

Programming Skills

- C, C++, Java (Android)
- Experience working on designing and implementing State-of-the-Art Image and Video processing algorithms.
- Understanding of latest developments in Machine Learning and AI and their application in Image and Video processing Algorithms.
- Understanding of Continuous Integrating and creation of automation solutions involving Jenkins environment.
- Experience working on Android Application development (Java). Involved in implementing an idea, which has been filed for a US Patent.
- Extensive knowledge working with MS Excel and MS Word Automation using Python COM bindings.
- Scripting Languages (Python, Matlab, Octave)
- Experience working with SCM (git, svn) and CI (Jenkins/Hudson)
- Little exposure to HTML, CSS and Mongo DB

Employment Detail

Organizations	Position	Duration
Sony India Software Centre, Bangalore	Software Engineer	Since August, 2012

Relevant Work Experience

- Organization: **Sony India Software Centre, Bangalore**. It is a global competency centre providing solutions in Technology and Enterprise IT to Sony worldwide for over a decade.
Duration: August 2012 - Till Date
 1. Investigation on Certain Algorithms for Android Wearable devices; including development of an application for Wearable Device from scratch.
 - Environment: Java, Android Studio
 - Duration: September 2014 to Till Date

2. Developing and improving features of an Android Application to be used with Sony Bravia Television
 - Environment: Java, Eclipse
 - Duration: July 2014 to August 2014
3. Development of an automated centralized monitoring system for Continuous Integration of various projects in the organization
 - Environment: Python, Jenkins, Hudson
 - Duration: May 2014 to June 2014
4. Development of a No Reference video Quality Measurement tool which achieved similar performance to a commercial tool which costs around 17000 €
 - Environment: C++, Visual Studio 2010, Octave
 - Duration: April 2014 to May 2014
5. Development of an Android Input Method service for Indian Languages. The layout of the keyboard has been filed for patenting in the US Patent Office.
 - Environment: Java, Eclipse
 - Duration: September 2013 to November 2013
6. Extension of an internal Test Automation Framework to parse an API document (MS Word) and present the information in a consolidated manner to be fed to the next stage of automated test code generation using Excel Macros.
 - Python, MS Word, MS Excel
 - Duration: March 2013 to August 2013
7. Designing of an Algorithm for Unstable reference Video comparison using Machine learning concepts and successfully prototyping it.
 - Environment: C++, Visual Studio 2010
 - Duration: February 2013 to March 2014
8. Development of metadata parsers for a number of Image formats (TIFF, JPEG, BMP, PNG)
 - Environment: C, Visual Studio 2010, Windows 7
 - Duration: November 2012 to January 2013

Academic Projects

- Conceptualizing and developing a POC (in Matlab) of a Novel Video De-noising Algorithm using Discrete Wavelet Transform and Walsh Hadamard Transform.
- Embedded Microcontroller Based Autonomous Robot for line following, color detection, obstacle avoidance, object pick-up and differential PWM drive.
- Implementation of the JPEG compression algorithm in Matlab (under the guidance of Dept. of ECE, IIT-Guwahati).

Achievements

- At “Sony India Software Centre, Bangalore”:
 1. Awarded the Best Team of the Half Year 2014, while working for the CI related project
 2. Nominated for “**Best Upcoming Performer**” (given to one employee in an year) for making significant impact within 15 months of joining and value creation for project.
 3. Awarded a “**Special Recognition Award**” for the development of the Android Application filed for a patent.
- Participation in the **Robocon 2011 India**, held in Pune.
- Qualified **GATE 2011**, with a score of 355.
- Recipient of **Jagadis Bose National Science Talent Search** Junior and Senior Scholarship, through higher Secondary School and Engineering.
- Winner of a number of Quiz competitions at State and National levels. Notably placed 4th in **Terra Quiz 2005**.

Personal Details

Name : Nabarun Goswami
 Date of Birth : September 7th, 1989
 Marital status : Single
 Gender : Male
 Languages : English, Hindi, Assamese, Japanese (N5 qualified)
 Strengths : Quick Learner, Team player, Positive Attitude, Self-Confidence, Enthusiasm