

## Achhru Kumar Bansal

H.No B-3/F-4, First Floor, Shatabdi Enclave ,  
Sector-49, Noida. 201301  
Mobile.:(+91) 9718425024  
E-mail: akbansal.ashu@gmail.com

### OBJECTIVE:

To nurture the future talents with my knowledge skills and Experience and make them challenging for the current scenario.

### PROFESSIONAL SUMMARY

- **Total 10 years** of IT experience in **Software Development & Interface Protocols**.
- Strong knowledge of **C, C++** languages.
- Strong knowledge of **STL, Multithreading** and **IPC** techniques.
- Associated with Weapon & Electronics System Engineering Establishment (**WESEE**), **Ministry of Defense**, as **Team Lead**.
- Currently handling the team of 6 members under MOD-CMS Project for 23 small ships.
- Involved in **CMS-15, CMS-71, CMS-15B**, and **developing & testing tools**, for Application Software Development.
- Developed and Integration with actual weapon equipment, **LRSAM, BRFCS, ELLORA, IAC** on the **Indian Navy Ships in Mumbai Naval Dockyard**.
- Involved in Fault isolation and checking of fault report compliance and Integration.
- Complete knowledge of Software Development Life Cycle (**SDLC**) as I have gone through the same for all CMS projects right from design phase to delivery phase.
- Involvement in team of System Requirement Analysis and Functional specification and System Requirement Finalization at client site WESEE (Indian Navy).
- Prepared the Configurable GUI Testing Tool based On DDS for testing all the CMS applications.
- Involvement of Preparation of **SAD (Software Architecture Description)** with the help of **Doxygen** Tool, Activity Diagrams and Sequence diagram for my modules.

### Organisational Experience

ORGANIZATION	DESIGNATION	DURATION
WESEE, Ministry of Defence, New Delhi.	Team Lead	Aug 2011-till date
Indian Acrylics Limited (Sangrur)	Software Engineer	Jun 2008 - Jul 2011

### Skill Summary

- **Developing:** **Manual Code Developing and Rhapsody Tool Developing.**
- **Languages:** C,C++,Qt with basic GUI
- **Operating Systems:** Linux.
- **Programming Tools:** Eclipse, Rational Rhapsody, QT  
Strong knowledge of Data Distribution Services (PrismTech and RTI) & GDB Debugger.

### Projects Undertaken

#### **MOD-CMS**

The Combat management System is a support system of 23 small ships to support the warfare ships for various things. This provide the vital role in the Naval System for the availability of weapons.

**Role:** Develop and manage the Team

**Solution Environment:** C++, LynxOS and DDS.

**Client:** Indian Navy

**Responsibilities:**

Responsible for developing the working module of MOD-CMS for Ships. Module included developing Target Designation functionalities involving fleet using Eclipse & QT IDE etc.

Responsible for managing the team for various tasks

**CMS - 71, CMS-16A, CMS-15, CMS-15A, CMS-15B, MOD-HSL**

The Combat Management System is state of the art C4I system. The CMS system interfaces with a variety of weapons and sensors on this class of ships and execute all fleet functionality. Combat Management Systems (CMS) have proved to be of vital importance in modern day naval warfare towards ensuring comprehensive and effective exploitation of all weapons and sensors available onboard a naval platform.

**Role: Developing, Testing and Integration**

**Solution Environment: C++, LynxOS and DDS .**

**Client: Indian Navy**

**Responsibilities:**

Responsible for developing and testing the working module of Weapon Management Module (WMM) for CMS's Ships. Module included developing Target Designation functionalities involving fleet using Eclipse, Rational Rhapsody and QT IDE etc.

**Education**

- **Bachelors of Technology (B.Tech) in Electrical Engineering from BBSBEC, Fatehgarh Sahib**  
(Affiliated to P.T.U, Jalandhar) in 2007.

**Personal Details**

- Name: Achhru Kumar Bansal
- Birth Date: 08<sup>th</sup> November 1984.
- Marital Status: Married
- Nationality: Indian
- Languages Known: English, Hindi, and Punjabi.

**Declaration**

I hereby declare that the above-mentioned information is authentic to the best of my knowledge and belief.

**Date:**

**Place:**

**(ACHHRU KUMAR BANSAL)**