Raviranjan Kumar

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Objective

To be an optimistic and active learner and devote my skills and knowledge to help the organization to achieve its goal, simultaneously upgrade my skills to more prominent levels so that I can be more useful in the long run, and both I and the organization get mutual benefits.

Academic Background

		Percentage/CGPA obtained
2013-2018	**Graduate& postgraduate –** **Integrated M.Tech** Biomedical Engineering (BME) Indian Institute of Information Technology, Allahabad	7.15 (CGPA)
2011-2012	**Senior Secondary Examination - Class XII** **School Name**: S.P.S. College Deshri, Vaishali **Exam Board** : BSEB	65.4%
2009-2010	**Higher Secondary Examination - Class X** **School Name**: High School BakhariDoa, Vaishali **Exam Board** : BSEB	79.6%

Skill

- **Programming skills:** C, C++, Python, Object-oriented Programing and GPU Programming.
- **Libraries:** ITK, VTK, RTK, DCMTK, OpenCV, CUDA.

- **Technical Skill:** Software Development, Image Registration(2D, 3D, Stereo), Image Grabbing(Through FPD), Image Enhancement, Image Reconstruction(CT/CBCT), Image post-Processing, GUI Design on windows-based platform for Image Processing, Data Structure and Algorithm, SQL, (TCP/IP) Socket Programming, Multithreading.

- **Other skills:** Developing DLLs, Lib, CLR, Setup file creation.
- **Platforms:** QT Creator, Visual Studio, Windows, Microsoft Office,

Work Experience

- **Design Engineer** (Image Processing)   March 2021 – Present
  Panacea Medical Technologies PVT. LTD. Bangalore

  Modules : Image Grabbing through Flat panel Detector as well as through Camera
           : Image Quality Improvement
           : Image Reconstruction (CBCT)

: Image Registration (6D shift calculation, 2D : 3D and Stereo)
: Collision detection (Geometry Model based real time detection in C++ based)
: Project version update (Through the fixing of Bugs and New Implementation)
: Digitally Reconstructed Radiography (DRRs) Generation.
: Software Development (work flow as per requirement) , Code/Modules Integration.

Project / Product : Image processing Modules & software Development for Siddharth -2 (LINAC) and

Bhabhatron -3i (Spiral Cobalt) Cancer Diagnosis and Treatment.

Accomplishments

- Raising Star Employee Recognition,   March 2022
- AIR – 76, GATE – 2021 (BM)   March 2021

Hobbies

- Cooking

- Playing Cricket

Personal Details

- **Date of birth:** 5th August1995

- **Nationality:**Indian

- **Son of:** Mother's Name - Gita Devi, Father's Name - Sakindar Prasad Singh.

- **Permanent Address:** Village:- Chandpura Salkhanni, Post Office:- Jahangirpur Salkhanni, Police Station:- Mahua, District:- Vaishali, State:- Bihar, Pin Code:- 844126

DECLARATION:

I hereby declare that the details provided by me in this resume are correct and I have knowingly not omitted/ misrepresented any information. I am aware that the company can use this data for verification purposes and any material inconsistency identified between the details shared above versus actual information would have a bearing on my employment, based upon company policies.

Date: July 2022 Place: Bangalore 560067