

PRAVEEN GUPTA

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Experience

Siemens Healthineers

April 2023 – Oct 2023

Software Engineer - Design and Development

Bangalore

- Worked on **PMS Service Software** which is being used in **X-ray Products** such as **Radiography, Fluorography**.
- PMS Service Software is responsible for configuration, software installation and downloading various components such as XCU, SCU, CCU. It also provides functionalities to Backup/Restore, Report Generation and Adjustments.
- Responsibilities: Feature development, defects & bugs fixing and analysing the root cause.
- Technology: C++ (development), TFS (issue tracking, version control system).

Harman Connected Services

Sept 2021 – March 2023

Software Engineer - Product Development

Bangalore

- Worked on Middleware Native (C/C++) layer of Android(ADAS Spy Module) for **In-Vehicle Infotainment System**.
- Android experience with bringing up, porting and stabilizing **Android framework** in test-driven development.
- Improved developers' efficiency by improving logs mapping to short and concise logs for ease of analysis.
- Got familiar with **Embedded Systems** and developed unit tests with **Goggle-Test** framework.

Education

- **78.6%** in **B.Tech(CSE)** from ABES Engineering College. 2017 – 2021
- **92.2%** in the **12th** from Lucknow Public School. 2016 – 2017
- **89.2%** in the **10th** from Lucknow Public School. 2014 – 2015

Projects

Food Ordering System | C++ [🔗](#)

June 2020

- * Developed **menu-driven system** in which user can order food from a restaurant of its own choice and bill is generated on successful order.

Banking Management System | C++, OOPs [🔗](#)

July 2020

- * Developed **menu-driven banking management system** that offers various features like creating new account, deleting an account, withdrawing money, depositing money, displaying account information, etc.
- * Integrated **OOPs** concepts like **encapsulation, abstraction, friend function, constructors**, etc.

Age, Gender and Emotion Estimation | Python, OpenCV [🔗](#)

Mar – June 2021

- * Developed an API using **OpenCV** lib. in which user can provide images then system predict their age, gender, and emotion.

Technical Skills

Languages: C, C++(OOPs, Multithreading), Python

Database: MySQL(SQL)

Developer Tools: VS Code, Jira, Confluence, Android Studio

Operating System: Linux, Windows

Version Control System: Git, GitHub, TFS

Hardware: AIDA Board

Areas of Interest

- Data Structures
- Algorithm Analysis

Publications

- Published research paper “**Age, Gender, and Emotion Estimation Using Deep Learning**” in the Springer Series of “**Congress on Intelligent Systems Volume**”. [🔗](#) July 2022
- Contributed algorithm-related programs and their analysis for the book “**A Practical Approach to Data Structure and Algorithm with Programming in C**”. [🔗](#) Nov 2019

Achievements and Extracurricular Activities

- HackerRank advanced **Problem Solving** Certification.
- **Semi-finalist** in Techgig's Code Gladiator competition.
- Achieved **5th** rank in the “**Turing Test**” coding competition under the Enigma Programming Club.