

# PRAVEEN GUPTA

Lucknow, Uttar Pradesh

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## Experience

### Harman Connected Services Ltd

Sept 2021 – Present

*Software Engineer - Product Development*

*Bangalore*

- Development in **C/C++** for the **ADAS** Spy Module in the **Vehicle Domain**.
- Android experience with bringing up, porting, stabilizing, and customising the **Android framework** in test-driven development.
- Implemented **APIs in C++** that provide logs in specific locations in the system.
- Increased the efficiency of software developers by **50%** by writing **800** lines of code.
- Developed unit tests for the SPY Module using **Gtest**.
- Familiar with **Embedded System**.

## Education

- **78.6%** in **B.Tech(CSE)** from ABES-EC (Ghaziabad), affiliated with AKTU, Lucknow. **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 a **menu-driven project** in which a user orders food from a restaurant of his/her choice, and at last, the bill is given.

### Banking Management System | C++, OOPs

July 2020

- \* Developed a **menu-driven banking management system** that has various features like creating a new account, deleting an account, withdrawing money, depositing money, displaying information about the account, etc.
- \* Implemented **OOPs** concepts like **encapsulation, abstraction, friend function members, different types of constructors**, etc.

### Age, Gender and Emotion Estimation | Python, OpenCV

Mar – June 2021

- \* Developed an API using **OpenCV** library in which we take images of a user and then predict their age, gender, and emotion.

## Technical Skills

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

**Database:** MYSQL(SQL)

**Developer Tools:** VS Code, Confluence, Android Studio, Beyond Compare, Jira, DLT Viewer, PCAN, DiagAlyser

**Operating System:** Linux, Windows

**Version Control System:** Git, GitHub

**Hardware:** AIDA Board

## Areas of Interest

- Data Structures
- Algorithm Analysis

## Publications

- The Research Paper “**AGE, Gender, and Emotion Estimation Using Deep Learning**” has been published in the Springer Series of “**Congress on Intelligent Systems Volume**”. **July 2022**
- Contributed algorithm-related programs and their analysis to 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.
- Scored **97.8%** on the **Elitmus** Exam (an entry-level placement exam).
- Achieved **5th** rank in the “**Turing Test**” coding competition under the Enigma Programming Club.
- Qualified for the CST UP Science Talent **Scholarship** 2016–17 among **50,000** students.