

PRAVEEN GUPTA

Lucknow, Uttar Pradesh

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Experience

Harman Connected Services Ltd

Sept 2021 – Present

Software Engineer - Product Development

Bangalore

Project :- PSA Caruso R2 to create a **In-Vehicle Infotainment System**.

Responsibilities :- Work in Middleware Native (C++) layer of Android that includes :-

- Development in **C/C++** for the **ADAS** Spy Module in the **Vehicle Domain**.
- Handling several defects and warnings, as well as analysis.
- Android experience with bringing up, porting, stabilizing, and customising the **Android framework** in test-driven development.
- Good Knowledge of **C++ APIs**.
- Good Analytical and Debugging Skills.
- Increasing the efficiency of software developers by **50%** by writing **800** lines of code.
- Developing unit tests for the Module using **Gtest (Googletest)**.
- Familiarising with **Embedded Systems**.

Education

- **78.6%** in **B.Tech(Computer Science & Engineering)** from ABES-EC (Ghaziabad). **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
- Algorithms 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.