

PRAVEEN GUPTA

Lucknow, Uttar Pradesh

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Experience

Harman Connected Services Ltd

Sept 2021 – Present

Software Engineer - Product Development

Bangalore

- **Middleware** development in C/C++ for the **ADAS Spy Module** in the VD Domain.
- Android experience with **bringing up, porting, stabilizing, and customising the Android framework**, as well as **designing and developing system applications in test-driven development**.
- Created **HALs** for doing operations on the hardware.
- Implemented **APIs** that provide logs in specific locations in the system by going through **LLD**.
- Increased the efficiency of software developers by **50%** by writing **800** lines of code.
- Developed **unit tests** for the SPY Module using **Gtest/Gmock**.
- Familiar with **Embedded System** and **AOSP**.

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

Fast 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, friend function members, different types of constructors**, etc.

Age, Gender and Emotion Estimation | Python, OpenCV(CNN)

Mar – June 2021

- * Developed a deep CNN-based model in which we take images of a user and then predict their age, gender, and emotion.

Technical Skills

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

Database: MYSQL(SQL)

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

Operating System: Linux, Windows

Version Control System: Git, GitHub

Hardware: AIDA Board

Areas of Interest

- Data Structures
- Database Management
- Operating System
- Algorithm Analysis
- Computer Networks

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.
- Achieved **5th** rank in the “**Turing Test**” coding competition under the Enigma Programming Club.
- In the Science Talent Search Examination 2016-17, I qualified for the **CST UP Science Talent Scholarship** among **50,000 students**.