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Prateek Parashar

# Professional Profile

‘Motivated young graduate with industry ready academic skills and passion to progress within the information industry’

Having achieved industry required skills in Programming, Data-Structures and Algorithms, Mathematics, Electronics and English, along with an active involvement in a number of open source projects and discussions on GitHub, Stack Overflow and Discord, I am keen to pursue a career in IT industry. I have proven aptitude for programming and mathematics, and have diligently pursued these subjects in all my academic life. I am cooperative and have good communication skills, which would make me an excellent asset to any IT team or department.

# Skills & Abilities

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| * Python programming (Proficient) | * C++ & C programming (Proficient) | * Unix (Intermediate) |
| * JavaScript (Intermediate) | * Data Structures and Algorithms (Proficient) | * Typing (Proficient) |
| * MS Visual Studio (Proficient) | * MATLAB (Intermediate) | * OrCAD Capture & PSpice (Intermediate) |

# Projects

* Reduced Peak to Average Power Ratio in SC-FDMA systems by 6dB, by implementing Interleaved-FDMA subcarrier mapping.
* Reduced Bit Error Rate in OFDM systems by 53% by implementing Code Division Multiplexing and Data Encoding using Walsh Hadamard Matrix.
* Current Conveyors and Applications using OrCAD Capture and PSpice
* Currently working on VLSI Implementation of Circuitry using Python and PyQT

# Education

## B.Tech | Jaypee Institute of information and technology | 2017-2021

* Major: Electronics and Communication Engineering (ECE)
* 7.9 CGPA

## Senior Secondary | Dayawati modi academy modipuram | 2014-2016

* Major: Economics, Physics, Chemistry, Mathematics, English, Painting
* 90% Average

## Secondary | Dayawati Modi Academy Modipuram | 2012-2014

* Major: English, Hindi, Science, Mathematics, Social Sciences
* 10.0 CGPA

# Hobbies and Interests

* Solving programming queries on Discord Programming Servers and StackOverflow
* Learning about new ongoing innovations and technologies