Pavit Singh

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DOB: September 07, 2003
Address: J195/A First floor Rajouri Garden

Education

Indraprastha institute of Information Technology	CGPA: 8.6
B.Tech Computer Science and Design	(till 4th Semester)
2021-Present	
Navyug Convent Sr Sec School, Delhi	Percentage: 82
CBSE	
2019 – 2021	
Modern School, Delhi	Percentage: 92
CBSE	
2007 – 2019	

Skills

Expertise Area	Problem-Solving in DSA, Design thinking and applications, Web development
Programming Language	C++, Python, Java, C, MySQL, HTML, CSS
Tools and Technologies	Adobe Suite, Microsoft Office, VsCode Arduino, Prototyping
Technical Electives	Algorithm Design and Analysis, Operating Systems, Database Management Systems, Computer Organisation,

Internship

Teacher's Assistantship in Design Drawing and Visualisation   (Mar,23 –Jun,23)
Guide: Professor Anoop Ratn
Completed a fairly demanding Teachers Assistantship with course overload, having long hours of involvement and extensive student interaction.

Teacher's Assistantship in IHCI   (Nov,22 – Feb,23)
Guide: Professor Rajiv Ratn Shah
Conducted weekly teaching sessions with students guiding them through course content and upcoming deadlines, along with checking exam copies and other academic responsibilities

Projects

UNIX Shell in c   (October 2022)
implemented common UNIX shell commands like ls, cat, rm, mkdir.   Individual
These commands were implemented internally as well as externally by
forking and using threads. The most challenging part of this project
was the handling and treatment of strings.

Java Game Development using LibGDX   (Dec,22)
                                                                     Team Size-2

Designed and implemented the game tank stars from scratch with a custom map and
self-designed assets and music. The final product was a game with implemented custom
working GUI and working buttons as well as movable in-game objects on a custom sloping
map.

Mystical Moo: Dairy store DBMS project   (Jan,23-Apr,23)
                                                                     Team Size-2

Designing and implementing a database schema to fit the needs of the given task.
Automated data population, as well as final command line app made using Python, including
login and admin support. Automated tasks by adding triggers as well as analysis of data
based on usage.

Personal Design Portfolio website   (Jan,23-Apr,23)
                                                                     Team Size-2

Learning the basics of CSS, HTML and Javascript to design and create a personal portfolio
website with suitable interactivities and CTOs. The implementation of a parallax photo
gallery is the highlight of the project. Link to website.

Simple assembler and simulator   (May 22-Jul,22)
                                                                     Team Size-3

Implemented an assembler and simulator to convert a given instruction set architecture to
OP codes and handle errors in instructions. After which registers and variables were
implemented in a Python program to simulate these instructions and give a valid output

Positions of Responsibility

● Media Service Committee   (Sep,22 – Present)

Interests and Hobbies

● Film making, Aviation, Motorsports
● Learning and implementing new technologies in current scenarios

Declaration: The above information is correct to the best of my knowledge.
Pavit Singh
Date: July 10, 2023