Vishal Paudel

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in /vishalpaudel • ○ /vishalpaudel • vishalpaudel.github.io

PLAKSHA UNIVERSITY

EDUCATION

- **Plaksha University, Mohali** B.Tech Computer Science and Artificial Intelligence 2021-25 — *CGPA: 8.3*
- **Vidya School, Gurgaon** 12th — board AISCE — *CGPA: 8.5*
- **Vidya School, Gurgaon** 10th — board AISCE — *CGPA: 8.9*

WORK EXPERIENCE

Dave AI | *Unity Game Engine Trainee*   *2022*
- Built mini projects using Unity and Blender. Worked as a trainee.

Dr. Amrik Sen at Plaksha University | *Research Intern Metaverse and Gaming*   *2021*
- Built games and simulations teaching higher-math concepts in probability and statistics using Python. Deployed at Plaksha.

PROJECTS

Demonstration of Emergent Behaviour in Dynamical Systems   *2023*
- Built a software simulation tool in Python using Pygame that demonstrates emergent behaviour.

Efficient Vertical Axis Wind Turbines | Dr. Shashikant Pawar   *2021*
- Built a prototype of new age vertical axis wind turbines. Produced 8% more power than traditional *VAWT* setup.

Moving Prosthetic arm with Brain Signals   *2019*
- Built a prototype BCI prosthetic arm using OpenBCI and Arduino UNO.

SKILLS

- **Programming Languages:** C/C++, Haskell, Julia, Python.
- **Software Tools and Packages:** Matlab, Unity Game Engine, Blender, Linux CLI, Vim
- **Another Skills Category:** Computer Simulations, Chess (State Level), Competitive Programming (Pupil on Codeforces).

POSITIONS OF RESPONSIBILITY

- *Leader of Tod Fod Jod* club at Vidya School, Gurgaon.   2014
- *Leader of Robo Siksha Kendra* at Vidya School, Gurgaon.   2016
- *Mentor at Young Technology Scholars*, Pathways World School Aravali.   *2019*

AWARDS AND HONORS

- *MENSA India* scored at the 99th percentile on a standardized, supervised IQ test.   *2014*
- *Best Robot Design* in *FIRST Lego League*, amongst 120 schools in the *North Zone*.   *2016*
- *Brain Computer Interface* Project demonstration won a cash prize of INR 20,000.   2019
- *Bharti Scholar* Recipient of a scholarship of INR 36 Lakh from Mr. Rakesh Bharti Mittal.   *2021*
- *Gold Medalist* in the *Plaksha Summer Entrepreneurship Program* led by Rajesh Sawhney.   *2022*

PLAKSHA
UNIVERSITY

Vishal Paudel
Student

ID No.: U20210094
Valid Upto: AUG 2025
Blood Grp.: O +ve

REGISTRAR

Contact No.: 7701866065 Emergency No.: 8368303860

www.plaksha.edu.in

Provisional Transcript

Student Name: Vishal Paudel	**Status:** Active
Student Number: U20210094	

2021 B.Tech

Vishal Paudel
A-55/11, DLF PHASE-1, GURUGRAM
, HR 122002

Term: UG_MONSOON_2021 UG Monsoon 2021-22 **Term start:** 11/15/2021 **Term end:** 2/11/2022

Course Code	Course Description	Credits Attempted	Credits Earned	Grade	Clock Hours	Date Completed
FM111	Fundamentals of Computational Thinking	4.00	4.00	A-	0.00	2/11/2022
FM112	Engineering Mathematics in Action	4.00	4.00	B	0.00	2/11/2022
FM113	Foundations of Physical World	4.00	4.00	B	0.00	2/11/2022
FM114	Design Thinking	4.00	4.00	A-	0.00	2/11/2022
FM115	The Art of Thinking and Reasoning	3.00	3.00	B+	0.00	2/11/2022
IL111	Innovation Lab & Grand Challenge Studio	2.00	2.00	A-	0.00	2/11/2022

- Pass/Fail course

Term GPA:	8.70	**Term Credits Attempted:**	21.00
Cum GPA:	8.70	**Term Credits Earned:**	21.00

Term: UGSPRING2021-22 UG Spring 2021-22 **Term start:** 2/28/2022 **Term end:** 6/17/2022

Course Code	Course Description	Credits Attempted	Credits Earned	Grade	Clock Hours	Date Completed
FM121	Programming & Data Structures	4.00	4.00	A	5.00	6/17/2022
FM122	Mathematics of Uncertainty	4.00	4.00	B-	5.00	6/17/2022
FM123	Natures Machine	4.00	4.00	B	5.00	6/17/2022
FM124	Fundamentals of Microeconomics	3.00	3.00	C+	3.00	6/17/2022
FM125	Re-imagining Technology & Society	3.00	3.00	B-	3.00	6/17/2022
IL122	Innovation Lab & Grand Challenge Studio II	2.00	2.00	B-	3.00	6/17/2022

- Pass/Fail course

|				
Term GPA:	7.88	**Term Credits Attempted:**	20.00
Cum GPA:	8.30	**Term Credits Earned:**	20.00

Term: 2021-SEM-3 2021 Batch Third Semester **Term start:** 8/30/2022 **Term end:** 12/31/2022

Course Code	Course Description	Credits Attempted	Credits Earned	Grade	Clock Hours	Date Completed
FM211	Data Science and Artificial Intelligence	4.00	4.00	B	5.00	12/31/2022
FM212	Calculus in Higher Dimensions	3.00	3.00	A-	4.00	12/31/2022
FM213	Analog and Digital Circuits	3.00	3.00	B-	4.00	12/31/2022
FM214	Intelligent Machines	4.00	4.00	A-	5.00	12/31/2022
FM215	Ethics and Communication of Technological Innovation	3.00	3.00	B	3.00	12/31/2022
IL213	ILGC-3	2.00	2.00	B+	3.00	12/31/2022

- Pass/Fail course

Term GPA:	8.34	**Term Credits Attempted:**	19.00
Cum GPA:	8.31	**Term Credits Earned:**	19.00

SANJAY BHATNAGAR
Registrar
Plaksha University, Mohali
Email: registrar@plaksha.edu.in
Date: 03rd February, 2023

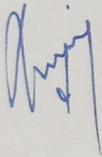## To whom so ever it may concern

Date: 01st Feb 2023

This is to certify that **Mr. Vishal Paudel,** student ID number **U20210094,** is a Bonafide student at Plaksha University, Block B, Sector-101 Alpha, IT City, SAS Nagar, Mohali, Punjab 140306, studying in **B.Tech. CSAI (Batch 2021-25) 4th semester**. He is residing in the boy's hostel on the university campus since 7th Nov 2021.

This certificate is issued upon request raised by Mr. Vishal Paudel on Feb 01, 2023, so that said student may apply for an Indian passport. This University has no objection to his obtaining a passport.

SANJAY BHATNAGAR
Registrar
Plaksha University, Mohali
Email: registrar@plaksha.edu.in