Vivek Jindal

Passport: C2925082 | **Work permit:** Indian | **Date of birth:** 24/05/2001 | **Place of birth:** India |

Nationality: Indian | **Gender:** Male | **Phone number:** (+91) 9755872328 (Mobile) | **Email address:**

vivek.jindal.sbg@gmail.com | **LinkedIn:** https://www.linkedin.com/in/24vivek-jindal |

WhatsApp Messenger: +919755872328 |

Address: 131/B Krishna Vihar Colony, Chhota Bangarda Road, 452005, Indore, India (Home) |

Address: V-119 V Block, Department of Computer Science & Engineering, Medicaps University, Umariya, Rau, 453331, Indore, India (Work)

WORK EXPERIENCE

🏢 **MEDICAPS UNIVERSITY** – INDORE, INDIA
Business or Sector Education | **Department** Computer Science & Engineering | **Email** vivek.jindal@medicaps.ac.in |

Website www.medicaps.ac.in

TEACHING ASSISTANT – 10/10/2022 – CURRENT

- Worked in central admission cell.
- Worked in Departmental Internal Quality Assuarance cell in the department of CSE.
- Part of organizing committee of 2nd IEEE International Conference on Computer, Communication, and Control-2024.
- Worked for central Technical Clubs, conducting various outreach activities as well as University level Technical Events.
- Worked for Departmental Social Media Team and gained 30% more online presence on departmental media handles.
- Conducted labs for various subjects of BTech Computer Science & Engineering students; helped them solving queries related to core subjects.

EDUCATION AND TRAINING

22/08/2022 – 20/06/2025 Indore, India
MASTER OF TECHNOLOGY - COMPUTER SCIENCE & ENGINEERING Medicaps University

Website www.medicaps.ac.in | **Field of study** Engineering, manufacturing and construction not elsewhere classified |

Final grade 8.71 | **Level in EQF** EQF level 7 | **National classification** 9 | **Number of credits** 90 |

Thesis Next-Gen Cricket Scorecard Automation Using Deep Neural Networks

06/08/2018 – 24/05/2022 Bhopal, India
BACHELOR OF TECHNOLOGY - COMPUTER SCIENCE & ENGINEERING Rajiv Gandhi Proudyogiki Vishwavidyalaya

Website www.rgpv.ac.in | **Field of study** Engineering, manufacturing and construction not elsewhere classified |

Final grade 6.92 | **Level in EQF** EQF level 7 | **National classification** 7 | **Number of credits** 180 |

Thesis Hotel Management System

LANGUAGE SKILLS

Mother tongue(s): **HINDI**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PUBLICATIONS

2025
Automating Cricket Scorecards with Deep Neural Network: A Next-Generation Approach

Authors: Vivek Jindal, Latika Jindal, Kailash Chandra Bandhu, Ratnesh Litoriya | **Journal Name**: Parul University International Conference on Engineering and Technology (PiCET 2025) | **Publisher**: IET Conference Proceedings (ISSN: 2732-4494)

2025
Automated Disease Detection in Banana Using Convolutional Neural Networks (CNNs)

Authors: Yash Kumavat, Priyanka Dhasal, Divya Kumawat, Yash Agrawal, Yash Mewada, Vivek Jindal | **Journal Name**: Parul University International Conference on Engineering and Technology (PiCET 2025) | **Publisher**: IET Conference Proceedings (ISSN: 2732-4494)

2025
ResNet-152 for Early Skin Cancer Detection: A Deep Learning Approach to Medical Imaging

Authors: Pankaj Piplode, Kailash Kumar Baraskar, Pinky Rane, Vivek Jindal | **Journal Name**: Hinweis Third International Conference on Advances in Information, Telecommunication and Computing

CONFERENCES AND SEMINARS

02/05/2025 – 03/05/2025 Vadodra, Gujarat, India
Parul University International Conference on Engineering and Technology (PiCET 2025)

Link www.picet.in

31/05/2025 – 02/06/2025 Virtual Conference
Hinweis Third International Conference on Advances in Information, Telecommunication and Computing (AITC)

Link www.aitc.thehinweis.com/2025/

08/02/2024 – 10/02/2024 Indore, Madhya Pradesh, India
2nd International Conference on Computer, Communication and Control (IC4)

Links https://conference.medicaps.ac.in/ | https://ieeexplore.ieee.org/xpl/conhome/10486055/proceeding

PROJECTS

Cricket Scorecard Automation

- I have developed a machine learning model to automate cricket scorecard generation by interpreting umpire hand gestures from image data.
- Implemented a CNN-based solution, achieving 98% accuracy, improving efficiency by 10% over the baseline.
- This enhanced the real-time decision-making process in cricket scoring systems.

Automated Disease Detection in Banana

- Developed a CNN-based image classification model to identify banana leaf diseases such as Bacterial Wilt, Fusarium Wilt, and Black Sigatoka.
- The model outperformed VGG-16, ResNet-50, EfficientNet, and custom attention-based CNNs, achieving a maximum accuracy of 96.1% with exceptional precision and recall.
- I proposed a scalable framework for plant health monitoring, which aims to reduce the reliance on manual inspection and enhance early intervention.

Plant Recognition System

- Built a deep learning model to detect plant species in leaf images using CNNs.
- Designed the system for potential expansion to detect plant diseases with minor model upgrades.
- Optimised for high-accuracy classification in agricultural and botanical applications

Career Guidance System

- Designed and implemented a system to guide students in selecting suitable career paths based on their inputs.
- Integrated a recommendation engine that maps student preferences with relevant career options.
- Provided fallback support with offline counseling options for users dissatisfied with automated suggestions.

Hotel Management System

- Developed a full-fledged hotel management system to handle operations like room booking, guest records, and payment processing.
- Integrated a relational database to ensure seamless and real-time access to room and guest data.
- Improved operational efficiency by 28%, reduced booking errors, and increased customer satisfaction scores.

DIGITAL SKILLS TEST RESULTS

Information and data literacy	**ADVANCED**	Level 6 / 6
Communication and collaboration	**ADVANCED**	Level 6 / 6
Digital content creation	**ADVANCED**	Level 6 / 6
Safety	**ADVANCED**	Level 6 / 6
Problem solving	**ADVANCED**	Level 6 / 6

*Results from a _self-assessment_ based on _The Digital Competence Framework 2.1_*