

# Curriculum Vitae

**Ajay Kumar Suwalka**

**Address for Communication**

4 / 6, Ram Nagar Shahpura

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## Career Objective

To work with a progressive and growing organization where I can effectively apply my knowledge and experience, adapt to new technologies, and contribute to innovation. I aim to establish a strong presence in a dynamic environment that values forward-thinking and anticipates industry trends.

## Academic Profile

Examination	University
Ph.D. Pursuing	Janardan Rai Nagar Rajasthan Vidyapeeth University
M.Tech.(CS)	Sangam University
M.Sc (IT)	Rajasthan University

## Professional Qualification

Examination	University/Board
A – Level	DOEACC Society (Government of India)
O – Level	DOEACC Society (Government of India)

## Skill Sets

<b>Programming/Scripting Languages</b>	PHP, Python, Django, JAVASCRIPT, HTML, CSS, JQUERY, C, C++, Java, Advance Java,
<b>Database</b>	MySQL, SQLite, Firebase, Mongo DB
<b>Technology</b>	PHP, Android, Python- Django-Flask, Dart, Dart-framework- Flutter,
<b>CMS</b>	Wordpress, Opencart
<b>Framework</b>	Codeigniter, Flask, Django
<b>JavaScript- Library</b>	Node Js, React Js, Express Js, React Native
<b>Hosting Server</b>	Linux hosting, Windows hosting

## Teaching Experience:-

<b>Currently working at Sangam University. (September 16, 2018 to date)</b>	
<b>Designation :</b> Assistant Professor & Web Administrator, (Department of Computer Science and Engineering)	
<b>Teaching Experience: 6.6 Year.</b>	
<b>Teaching PHP, C, C++ in institute</b>	Worked with teaching Samyak Computer Classes.

<b>Worked in CompuCom Institute</b>	Teacher computer basics, About Networking, C language.
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### Professional Experience in Software Company:-

<b>Industry experience : 5 Year</b>	
<b>Startbit IT Solutions Pvt. Ltd</b>	Worked with Start bit IT <b>From</b> 20 Dec, 2016 to 15 Sep., 2018.
<b>Worked in IndiaResults.com</b>	Worked with India Results (a Unit of Monsoon Software Consulting (P) Ltd.) From 18 Oct, 2015 to 16 Dec, 2016
<b>Dotsquares Technologies India Pvt. Ltd</b>	Worked with Dot squares From 1 Jan, 2013 to 16 Oct, 2015.

### Live Current Project (Industry)

**Title** : Poornima Group of Colleges in Jaipur  
**Url** : <http://poornima.edu.in/>  
**Environment** : php, MySQL

**Title** : Himachal Pradesh Technical University  
**Url** : <http://www.himtu.ac.in/>  
**Environment** : Php , MySQL

**Title** : Sri DevSuman University  
**Url** : <http://sdsuv.ac.in>  
**Environment** : Php, MySQL

**Title** : RabindraBharati University  
**Url** : <http://rbu.ac.in>  
**Environment** : Php, MySQL

### Live Projects- Website / Web Application software (Consultancy Projects of Sangam University)

**Title** : Soni Hospital  
**Url** : <https://www.sonihospital.com/>  
**Environment** : Php, MySQL

**Title** : SangamGroup  
**Url** : <http://sangamgroup.com/>  
**Environment** : CodeIgniter, MySQL

**Title** : Sangam University  
**Url** : <https://www.sangamuniversity.ac.in/>  
**Environment** : Php(CodeIgniter), MySQL

**Title** : Sangam University  
**Url** : <https://www.sangamuniversity.ac.in/>  
**Environment** : Php(CodeIgniter), MySQL

**Title** : Marksheet printing software (School of Pharmacy & School of Agricultural)  
**Url** : <https://blog.sangamuniversity.ac.in/marksheet-19-20-sixthsemHon/> **Environment**  
 : Php(CodeIgniter), MySQL

### Administrative Experience:

- Working as a Faculty Coordinator in LAN Gaming in Sangam University, Bhilwara Rajasthan.
- Currently working as Coordinator of technical events in Sangam University, Bhilwara Rajasthan.
- Working as Coordinator in Value Added Course in School of Engineering & Technology in Sangam University,

Bhilwara Rajasthan.

- Working as a University NAAC Member (Criteria –I) in Sangam University, Bhilwara Rajasthan. (2021-22)
- Working as a Department NAAC Member in Sangam University, Bhilwara Rajasthan. (2021-22)
- Work as Local organization Committee in International Conference ICECC in Sangam University 21st and 22nd December 2019.
- Working in Time Table Committee in Sangam University, Bhilwara Rajasthan.

#### **FDP & Workshop Attended:**

- FDP on “Data Analytics with Python” Organized by **CDAC Patna**, India held from 06 January to 11 January 2025.
- Workshop on “AI, ML & Data Science for Intelligent Solutions” Organized by Regional College for Education Research & Technology, Jaipur held from 19 March to 23 March 2024.
- FDP on “Data Analytics Using Machine Learning” Organized by Department of Computer Science and Applications, Panjab University, Chandigarh, India held from 31 October to 10 November 2023.
- FDP on “Python” Organized by EICT-IIT Kanpur held from 25th January to 31st January 2021 (1 week).
- FDP on “Cyber Security” Organized by EICT-IIT Kanpur held from 5th July 2021 to 10th July 2021 (1 week).
- FDP on “Machine Learning” Organized by EICT-IIT Kanpur held from 21th July 2021 to 26th July 2021 (1 week).
- FDP on “ICT Tools for Effective Teaching Learning” Organized by Internal Quality Assurance Cell, Sangam University Bhilwara Rajasthan held from 26th July to 2nd Aug, 2021 (1 week).
- “Faculty Development Programme” Organized by Internal Quality Assurance Cell, Sangam University Bhilwara Rajasthan held from 20th to 24th December, 2021 (1 week).
- FDP on “Benchmarking Quality Enhancement Initiatives through Innovative Practices” Organized by Internal Quality Assurance Cell, Sangam University Bhilwara Rajasthan held from 12th & 13th July, 2022.

#### **Conference Attended: National**

- National Conference on Smart Cities: A Roadmap for Development of Digital & Smart India (SCRDSI-2023) Organized by Aravali Institute of Technical Studies, Udaipur (Raj.) in Association with Computer Society of India, Udaipur Chapter During 26th-27th Feb, 2023.

#### **Conference Attended: International**

- International Conference on Analytical & Interdisciplinary Research (ICAIR-2021) Jointly Organized by Sangam University India, BlueCrest University Liberia and NIIT Ghana at Sangam University Campus, Bhilwara-311001, Rajasthan (INDIA) during 05th - 06th Feb, 2021.
- International Conference on Environmental & Climatic Consequences: Challenges & Mitigation Strategies (ICECC-2019) Sponsored By Department Of Science & Technology, Government of Rajasthan during 21 - 22 December 2019.

#### **Publication in Journals:**

- “Covid-19: Role of Cloud Computing in Education ISSN-2347-3150; - Volume XII, Issue I, JANUARY/2023
- “A Study on Machine Learning in area of Healthcare ” International Journal of Emerging Technologies and Innovative Research ISSN-2349-5162; - Volume 8, Issue 12 – December 2021
- “Various Database Attacks, Approaches and Countermeasures To Database Security” International Journal of Advance Research in Computer Science and Management ISSN 2395-1052; - Volume 5 Issue 4 – APRIL 2019
- “Machine Learning and IoT: An Analytical Study for Agricultural Production by Controlling the Irrigation” International Journal of Emerging Technologies and Innovative Research (IJRASET) ISSN : 2349-5162; - Volume 6, Issue 2019

## Granted Design Patent Published: Indian

**Title:** "IOT BASED POWER MONITORING SYSTEM"

**Design Number:** 397256001 [Published, 05/01/2024]

## Patent Published: Indian

**Title:** "REAL-TIME DISASTER INFORMATION AGGREGATION SOFTWARE USING DEEP LEARNING."  
**Application Number:** 202411081595 [Published, 08/11/2024]

**Title:** "WATER AVAILABILITY-BASED CROP SELECTION AND ADVISORY SYSTEM FOR FARMERS USING MACHINE LEARNING."  
**Application Number:** 202411084349 [Published, 15/11/2024]

**Title:** "AI-BASED CHANGE DETECTION DUE TO HUMAN ACTIVITIES AND FEATURE EXTRACTION SYSTEM FOR REMOTE SENSING IMAGES USING TIME SERIES DATA"  
**Application Number:** 202411086347 [Published, 22/11/2024]

**Title:** "AI-BASED IDENTIFICATION AND PREDICTION SYSTEM FOR FINANCIAL NEEDS BASED ON DEMOGRAPHY AND ECONOMIC CYCLES"  
**Application Number:** 202411097429 [Published, 27/12/2024]

**Title:** "SMART AGRICULTURAL TECHNIQUES BASED ON IOT FOR DETECTION OF SOIL NUTRITION AND PLANT DISEASE"  
**Application Number:** 202311002124 [Published, 13/01/2023]

**Title:** "AI/ML- BASED SOLUTION TO IDENTIFY AND SOLVE DISEASE IN PLANTS/CROPS"  
**Application Number:** 202311079919 [Published, 29/12/2023]

**Title:** "FOOD SECURITY CONCERNS USING ARTIFICIAL INTELLIGENCE"  
**Application Number:** 202211052877 [Published, 15/09/2022]

## Book Published: Book Editor

**Book Title:** "Trends in Agriculture Using IoT" [AkiNik Publications]

**ISBN Number:** 978-93-5570-111-4

## Book Published: Book Chapter

**Book Title:** "Artificial Intelligence in Wastewater Treatment: Innovations for Sustainable Environmental Management"  
[Scopus nipa Publications]  
**Chapter Name:** AI and internet of things (IoT) integration in smart wastewater system. (**Accepted**)  
**ISBN Number:**

**Book Title:** "Critical review of the new education policy in the present context." [AkiNik Publications]  
**Chapter Name:** Role of Teacher in new Education Policy  
**ISBN Number:** 978-93-5570-208-1

## Recent Achievement

**Title:** Smart India Hackathon 2022 (Mentor Roles & Responsibilities) - Winner Team First Position.

**Title:** Uttaranchal University International Hackathon – 2023- Winner Team Third Position.

## Strengths

- Strong analytical and cooperative quality and ability to work as a Team.
- Dedication for pursuing goals.
- Foresight and willingness for developing quality products and services.

### Hobbies

Appreciating Music, Designing, Playing cricket and improving my knowledge.

### Personal Details

Father's Name	: Mr. Ramswaroop Suwalka
Language	: English, Hindi.
Mobile Number	9414614680
Hometown	:Shahpura, Bhilwara

### Declaration

I hereby declare that the above information is true to the best of my knowledge.

Date: 10/04/2025

Place: Bhilwara

[Ajay Kumar Suwalka]