PALAK AAR

📞 **7018277274**   @ **palak.aar@gmail.com**   🔗 **https://orcid.org/0000-0001-5122-116X**   🔗 **https://github.com/Palak-aar**   📍 **Shimla**

SUMMARY

I bring a distinctive blend of pioneering research, academic prowess, and adept teaching abilities to the position of Assistant Professor. With a proven record of pioneering research, academic achievements, and a commitment to fostering engaging learning environments, I am dedicated to advancing blockchain technology and nurturing the next generation of innovators in the field.

EDUCATION

2019 - Present
Shimla

- **Ph.D. (Computer Science)**
  Dept. of Computer Science (H.P.U.)   **81.5%**

2015 - 2017
Shimla

- **M.Tech (Computer Science)**
  Dept. of Computer Science (H.P.U.)   **77%**

2011 - 2015
Shimla

- **B.Tech (Information Technology)**
  University Institute of Information Technology (H.P.U.)   **71.73%**

RESEARCH AREAS

📙 **Blockchain**   📙 **Cybersecurity**

📙 **Consensus Algorithms**

TECH SKILLS

Hyperledger Fabric   Node.js   Golang

C   C++   HTML   Javascript   PHP

SOFT SKILLS

👥 **Teamwork**   🕐 **Time Management**

👑 **Leadership**   💡 **Critical Thinking**

📣 **Effective Communication**

AWARDS

🏆 **GATE 2015**   🏆 **NET-JRF 2018**   🏆 **ASRB NET 2018**

🏆 **Best Paper Award ICANTCI-24**

LANGUAGES

English
Proficient ●●●●○

Hindi
Proficient ●●●●○

PUBLICATIONS

Analysis of Penetration Testing Tools

International Journal of Advanced Research in Computer Science and Software Engineering

📅 2017   🔗 DOI: 10.23956/ijarcsse.v7i9.408

Blockchain Technology for Curbing Input Tax Credit Fraud in India

International Conference on Intelligent Systems, Electrical and Communication Technology (ICISECT-2021)

📅 2021   🔗 ISBN: 978-93-83470-37-2

Delving into Vyper: A Security-Oriented Language for Smart Contract Development

International Conference on Intelligent Systems, Electrical and Communication Technology (ICISECT-2021)

📅 2021   🔗 ISBN: 978-93-83470-37-2

Revolutionizing GST Collection in India: A Blockchain-Backed Platform for Security and Efficiency

International Conference on Advanced Network Technologies and Computational Intelligence (ICANTCI 2024)

📅 2024   🔗 (In CCIS)

Mapping the Evolution of Blockchain in Taxation: A Bibliometric Analysis
3rd International Conference on Applied Data Science And Smart Systems

📅 2024

A Dynamic Priority Based Consensus Algorithm For Raft

SN Computer Science

📅 2024   🔗 (Under Review)

EXTRACURRICULAR ACHIEVEMENTS

🥇 **First Position in Rampage at UIIT Utkarsh-2014**

🥈 **Second Position in Carrom at the UIIT Annual Sports Meet-2014**

TRAINING / COURSES

Hyperledger Fabric 2.x Network Design & Setup

By Rajeev Sakhuja

Mastering Hyperledger Chaincode Development using Golang

By Rajeev Sakhuja

Agreement Management using Hyperledger Fabric v2.5

By Pavan Adhav

Certified Ethical Hacking Expert Level 1.0

By TechDefence

Blockchain Application Development on Hyperledger Fabric

By Kynet Web Solutions

WORKSHOPS

Blockchain Technologies
Organised by NIT Hamirpur

📅 07/2019

Internet of Things
Organised by NITTTR Chandigarh

📅 11/2019

WORKSHOPS

Blockchain
📅 11/2020
Organised by BIT banglore

Blockchain
📅 12/2020
Organised by NIT Arunachal Pradesh

Data Science & Artificial Intelligence
📅 03/2023
Organised by Himachal Pradesh University

Machine Learning & Data Analytics
📅 03/2024
Organised by Himachal Pradesh University

SUBJECT TAUGHT (AS JRF/SRF)

- Computer Networks
- Web Technology
- Programming With C
- Data Structures

TEACHING EXPERIENCE

07/2024- 02/2025

Mohali

Assistant Professor
Chandigarh Group of Colleges

PEER REVIEW

Egyptian Informatics Journal
📅 12/2023 - 05/2024
• 3 Reviews

Blockchain: Research and Applications
📅 04/2024
• 1 Review

SN Computer Science
📅 06/2024
• 1 Review

Journal of Engineering and Applied Science
📅 06/2024
• 1 Review