

# Vansh Sachdeva

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## EDUCATION

- **Jaypee Institute Of Information Technology** Noida, India  
• *Bachelor of Technology - Computer Science And Engineering; GPA: 7.8* July 2019 - June 2023  
• *Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases, Web Technologies And Cyber Security*

## SKILLS SUMMARY

- **Languages:** Python, PHP, C++, JavaScript, SQL, Bash, JAVA
- **Frameworks:** Scikit, NLTK, Keras, ReactJs, MERN, NodeJS, LAMP
- **Tools:** Docker, GIT, PostgreSQL, MySQL, MongoDB
- **Platforms:** Linux, Web, Windows, Raspberry, AWS, GCP
- **Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management, Problem Solving

## EXPERIENCE

- **Birla Institute of Technology and Science, Pilani** Remote  
• *Student Research Intern (Full-time)* April 2022 - July 2023
  - **Topic Of Research Project:** Privacy-Preserving Federated Learning for UAV-Enabled Networks: Learning-Based Joint Scheduling and Resource Management.
  - **Domain Of Project:** Internet Of Things, Federated Learning, UAVs Based Networks & Privacy Preservation.
  - **Project Supervisor:** Dr. Vinay Chamola, SMIEEE (PhD, National University of Singapore).
- **Freelancing** Remote  
• *Web Developer (Part-time, Contractual)* June 2021 - July 2021
  - **Aim Of Project- :** To Develop And Deploy Full Stack website for a Art Exhibition And Store start-up Created.
  - **Tech Used- :** PHP, MySql, STRIPE Payment API, HTML5, CSS, JavaScript, Google Analytics, SEO.
  - **Impact:** The site deployed have catered more then 5000 Customers.

## PROJECTS

- **Blockchain Based Chat Application:** (Work In Progress) Cryptographie appliquee - Building a decentralized messaging app using the Ethereum blockchain Tech: JavaScript, ReactJs, Web3, Solidity, Ganache, truffle, Infura API. (June '22)
- **Statistical Analysis Of Machine Learning Algorithms:** Research oriented, open source, a thorough analysis of major machine learning and deep learning algorithms on a imbalanced dataset & effect of imbalanced Learning is studied in the experiments. Tech: Python, Keras, Intel Extension for Scikit Learn, Scikit Learn, Kaggle. (May '22)
- **Python Programming:** Numerous GUI projects made to showcase skill set in python ranging from basic game development to mid level data analytic & data science. Tech: Python, Tkinter, NumPy, Panda, Keras & Django. (June '21)
- **MERN Stack Project(s):** Developed a few projects, campground review Portal and a Patient Management Portal, E-Commerce Site For Cafes, a portal for NGO & many more projects were made. Tech: NodeJs, REST API, ExpressJs, MongoDB, Bootstrap5, ReactJs. (March '21)
- **Front-End Development Project:** Various single and multiple pages static websites were was created for enhancing the web-development skill and concepts. Tech: HTML5, CSS, Bootstrap, JavaScript, JQuery, Ajax. (Dec '20)
- **Console Based Projects In C & C++:** A large number of projects were made to enhance and test skills in various domains on programming like data structures, algorithms, problem solving & many more . Tech: C, C++, Graphs, Trees, Kabin Karp, Trie Algorithms. (June '20)

## PUBLICATIONS

- **Research Paper: Performance Analysis Of Machine Learning Algorithms In Credit Card Fraud Detection:** (Work in Progress) Research paper to be published in IC3 Conference in 2022. Tech: Scikit-Learn, Python, AWS, (June '2022)

## HONORS, AWARDS AND COMPETITIONS

- Attended HackNSUT22' a hackathon organised by IEEE student branch of NSUT, Delhi - March, 2022
- Participant in SPIDER 2.0-The Web Crawler, a a month long web development hackathon organised by ISTE BITS- Nov 2021
- Participant in Egnite ideathon organised in collaboration between Egnite and Dare2Compete - Aug 2021
- Third Position at Reboot'21 a Competitive Programming event organized by the Tech Society, Dept of Computer Science, Mata Sundari College for Women, DU - April, 2021
- Winner Of Xcoderz, a programming event. And second position holder in Technosymposium, a Presentation event Orangized By Vivekanand School- May 2018

## COURSES AND TRAINING

- **Google Cloud Program** Noida, India  
• *Completed Cloud Track Of Data Science & ML Track in 30 Days of GCP 2021* Oct 2021
- **Wipro-Nasscom Futureskills** Noida, India  
• *Courses like AI, Communication Skills And Cyber Security by various MNCs & Colleges.* Jan 2018 - Present