

Vansh Sachdeva

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Education

Center For Development Of Advanced Computing

August 2024 - February 2025

Post Graduate Diploma: Big Data Analytics

New Delhi, India

Courses: Linux Programming, Cloud Computing, Advanced Analytics, Data Collection and DBMS, Big Data Technologies, Data Visualization, Machine Learning.

Jaypee Institute Of Information Technology

July 2019 - June 2023

Bachelor of Technology - Computer Science And Engineering

Noida, India

GPA: 7.5

Courses: Operating Systems, Data Structures, Algorithms, Artificial Intelligence, Machine Learning, NLP, Big Data Networking, Databases, Web Technologies, Cyber Security, Cryptography

Skills Summary

- **Programming Languages:** Python, C++, JavaScript, SQL, Bash
- **Frameworks and Tools:** Hadoop, Spark, HBase, Hive Keras, TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Jenkins, Tableau, Power Bi
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Cloud & DevOps:** AWS, Google Cloud, Jenkins, CI/CD
- **Other Skills:** Agile Methodologies, Debugging, Code Review, OOP, Design Patterns, Cross-Functional Collaboration

Professional Experience

Olimpio Digilabs LLP

June 2023 - August 2024

Full Stack Developer

Remote

- Created backend systems and APIs for delivery services, improving delivery efficiency by 30%.
- Collaborated with Olimpio Digilabs LLP's team to launch production-ready components, reducing time-to-market by 20%.
- Utilized Jenkins, ReactJS, NodeJS, SQL, Docker, and Kubernetes for development and deployment, enhancing deployment speed by 25%.
- Enhanced performance, achieving 25

Birla Institute of Technology and Science, Pilani

May 2022 - July 2022

Student Research Intern

Remote

- Investigated Privacy-Preserving Federated Learning for UAV-Enabled Networks, focusing on joint scheduling and resource management, leading to a 10% improvement in resource utilization.
- Worked with a team of 5 to propose new approaches in IoT and Federated Learning, resulting in a published paper.
- Published findings under the supervision of Dr. Vinay Chamola (PhD, NUS), contributing to the academic community.

Projects

- **Healthcare Management System with Machine Learning:** Developed a platform to improve patient care through AI-driven insights. Implemented mental health assessments with real-time analytics, improving diagnostic accuracy by 20%. Tech: ReactJS, TensorFlow, Flask, PostgreSQL, Sklearn.
- **Netflix Clone with Admin Dashboard:** Built a full-stack application for streaming, content management, and data-driven decision-making, increasing user engagement by 35%. Tech: ReactJS, Axios, MongoDB, Docker.
- **Mental Health Prediction System:** Created an AI-driven prediction model for healthcare, reducing disease risks through scalable ML algorithms, achieving a 25% reduction in misdiagnosis. Tech: Python, Keras.
- **Dynamic Web Application Development:** Developed responsive multi-page websites with advanced frontend tools, enhancing UX/UI and reducing bounce rates by 15%. Tech: HTML5, CSS, Bootstrap, JavaScript, JQuery/

Publications

- **Performance Analysis of Machine Learning Algorithms in Credit Card Fraud Detection:** Published at RAMSA Conference 2022. Showcased comparative efficiency of ML techniques, demonstrating a 10% increase in fraud detection accuracy. Tech: Python, Scikit-learn, Matplotlib.

Achievements

- **Winner:** Top 8 Teams - Hack-O-Heist 2022, IEEE CS ADGITM, for developing an innovative solution to a real-world problem.
- **Winner:** HackingHeist 2.0, a 48-hour Hackathon organized by Inaxia and MLH, for creating a high-impact project under tight deadlines.

Certifications and Training

Wipro-Nasscom Future-skills

May 2021 - May 2022

Courses in AI, Cyber Security, UI/UX

Noida, India

Google Cloud Program

October 2021 - November 2021

Completed Data Science & ML Track

Noida, India