

VINEET KUMAR LOYER

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EDUCATION

SRM Institute of Science and Technology
Bachelor of Technology – Computer Science and Engineering – GPA: 8.97/10.0

Chennai, Tamil Nadu, India
June 2017 – June 2021

Army Public School
Higher Secondary – 12th Grade – CBSE – Perc: 88.6%
Matriculation - 10th Grade – CBSE – GPA: 9.6/10.0

Pune, Maharashtra, India
2016-2017
2014-2015

SKILLS

Languages: Python, R, Java, C++, SQL, Typescript, Javascript

Frameworks/Tools: Git, Scikit-learn, Pandas, Django, Flask, Spring Boot, Angular, Tensorflow, Jira, Node.js, AWS, MySQL, PostgreSQL, SAP Fiori, UI5, MongoDB, Neo4j, Apache Spark, Knime, SAP HANA DB

WORK EXPERIENCE

Hitachi Vantara

Pune, Maharashtra, India

Consultant

June 2023 - Present

- Worked for several high-profile clients as a Security Consultant.
- Worked on a critical end-to-end implementation of a third-party addon for business warehousing and reporting to an existing large SAP ECC/Fiori Landscape of Honda Motors Japan. I also assisted in reducing testing efforts by 60% through GUI scripting.
- Worked on upgrading Nitto Avecia Ltd's system from version 1909 to 2022. Conducted risk assessments and resolved existing role design issues, and implemented workflows for approval processes.

Associate

June 2021 – May 2023

- Worked on automation for repetitive security month-end processes for Hitachi Aeronautics Ltd, reducing resource efforts by 12-13hr per month.
- Worked on implementing SAP GRC Components EAM, ARM, BRM, and GRC in sandbox systems.
- Helped in building custom Fiori applications as per business requirements.

Intern

Feb 2021 – May 2021

- Worked on various tech stacks for Web development, including Javascript, Typescript, React.js, UI5, and Fiori.
- Worked on SAP System Security Fundamentals, authorizations, and security systems. Built Scenarios, Troubleshooting Authorization, Transporting Authorization components, SAP BW, SAP HANA Security,

PROJECTS

Breast Cancer Detection Using Machine Learning

- Developed a Machine Learning model for accurately detecting breast cancer within sampled datasets, attaining a notable 95% accuracy rate during rigorous testing.
- Implemented K-Nearest Neighbors (KNN) and Logistic Regression algorithms as integral components in the model's training process.

IoT domain-specific derivation of Ideal Methodology Flooding Attack detection using Neural Network

- Designed a self-learning algorithm that can reduce false alarm probability and minimize the amount of burst traffic. The proposed system presents a period-based defense mechanism (PDM) scheme and blacklist to prevent data jamming attacks effectively.
- Used LSTM recurrent network bidirectionally along with two dense layers.

Global Warming Prediction in India Using Machine Learning

- Evaluated the performance of various machine learning algorithms on a dataset collected from merging the UCI data repository and the Indian Meteorological Department database.
- Achieved 94% accuracy on trained model using Linear regression and SVM.

Automatic Waste Segregation using CNN

- Made a working model of an intelligent bin that can detect biodegradable and non-biodegradable waste using IoT and Deep learning, the final model achieved 92% success rate in classification.

PUBLICATIONS

Global Warming prediction in India using Machine Learning
International Journal of Engineering and Advanced Technology (IJEAT) [\[Link\]](#)

Automatic Waste Segregation system using CNN
Journal of Critical Reviews (JCR) [\[Link\]](#)

CERTIFICATIONS

AWS Certified Cloud Practitioner (CLF-C02) [\[Link\]](#)

SAP Certified Technology Associate – SAP System Security and Authorizations (C_SECAUTH_20) [\[Link\]](#)

Big Data Specialization [\[Link\]](#)

Architecting with Google Compute Engine [\[Link\]](#)

RECOGNITION

Hitachi Vantara Pinnacle Award [\[Link\]](#)

Bronze Medal – Hitachi & Honda Motors [\[Link\]](#)

AWES Scholarship for Grade 12th [\[Link\]](#)

AWES Scholarship for Grade 10th [\[Link\]](#)

VOLUNTEERING

Tahaan
(March 2022 – March 2023)

Pune, Maharashtra, India

Helped in spreading awareness and understanding of rain water harvesting.

StartEarly
(March 2020 – May 2020)

Chennai, Tamil Nadu, India

Worked on sales and support team to increase the reach of the startup to a larger audience; the startup's primary aim was to provide skill-based courses to students from lower-income backgrounds.