

Rekhansh Raje Deshmukh

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EDUCATION




- **Bachelor of Technology in Computer Science and Engineering** **CGPA: 8.0/10**
VIT(Vellore Institute of Technology), Bhopal, India August 2021 – September 2026 (Expected)
 - **Higher Senior Secondary Education** **80%**
Ryan International School, Sohna Road,Gurgoan(HR) April 2020 – March 2021
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PROJECTS

Scalable Phishing Detection Pipeline — Machine Learning for Network Security

- Engineered a modular ML pipeline in **Python** for data ingestion, validation against custom **YAML** schemas, transformation, and batch prediction.
 - Utilized **Pandas**, **NumPy**, and **Scikit-learn** to perform efficient data manipulation, feature engineering, and train predictive models.
 - Containerized the application with **Docker**, creating a reproducible environment that simplifies deployment across any platform.
 - Integrated **AWS S3** for scalable cloud storage of datasets and serialized models (using **Pickle**), enabling automated data persistence.
 - Developed a user interface with **Flask** and **Jinja2** to present model predictions and security alerts in an accessible format.
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CERTIFICATIONS

- **Oracle Certified Data Science Professional**  August 2025
 - **The Bits and Bytes of Computer Networking**  February 2024
 - **First Certificate of English (FCE)(B2)**  April 2022
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SKILLS

- **Programming Languages:** Python, SQL, C++
 - **Data Science/ML:** NumPy, Pandas, Scikit-learn, RAPIDS, Open Cv, Machine Learning
 - **Tools Platforms:** Microsoft Power BI, MongoDB, Requests, Selenium, SQLite, GitHub Actions, Docker, AWS, MLflow, DagsHub
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EXTRACURRICULAR ACTIVITIES

- **Smart India Hackathon Internal Finalist** March 2024
 - **Cyber Warrior Club – Research and Development Team Lead**
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PUBLICATION

- Rekhansh Raje Deshmukh, Dr. Ajay Kumar Phulre. “Deep Learning-Based Detection of Oryza sativa Crop Diseases: A Focus on Bacterial Blight, Explosions, Brown Stains, and Tungro.” *Under review, expected 2025.*