

# Punit Sanjay Gavali

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## Skills

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**Languages:** C/C++, Java, Python, JavaScript, SQL

**Technologies & Tools:** AWS, PHP, Docker, ReactJS, Keras, Tensorflow, Neural Networks, OpenCV, Transformers(Hugging Face), Django

## Work Experience

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**Softpro Solutions, Mumbai**

Jan 2024 - Present

### AI Strategist

- Leading the development and integration of AI tools to enhance the company's software solutions.
- Strategizing and implementing AI-driven features, ensuring their alignment with business goals and client needs.
- Leveraging cutting-edge machine learning and deep learning techniques to optimize software functionality and improve user experience.
- TensorFlow, Keras, PyTorch, and GCP

## Education

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**Fr. Conceicao Rodrigues College of Engineering**

Jun 2021 - Present

B.E. in Artificial Intelligence and Data Science

**CGPA: 9.0/10**

- Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Artificial Intelligence , Machine Learning, Data Mining, Advance Data Structures and Algorithms, Cloud Computing, Image Processing

**Vidyavardhini's E.S Andrades College of Science**

Jun 2019 – May 2021

HSC Science

**GRADE: 95.67**

- Relevant Coursework: Maths, Physics, Chemistry, Biology, English, Hindi

## Project Work

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### • Automated Essay Scoring using DL (2024)

Developed an automated essay scoring system utilizing a Gated Recurrent Unit (GRU) model to evaluate and grade essays based on semantic content, achieving improved accuracy in scoring compared to traditional grading methods.

### • KaushalyaSetu: AI-Powered Personalized Employment and Learning Platform (2024)

Built an AI-powered platform leveraging LLM models, hosted on Google Cloud Platform (GCP) and developed with Django, offering features like career navigation, personalized job recommendations, and mentor connections in a unified system.

### • PhisProbe: AI-Enabled Phishing Links Detection Using Streamlit (2023)

Designed a machine learning-driven solution, integrating Generative AI with a Streamlit-based interface to detect and combat phishing attacks effectively.

### • University Recommendation System Using ML (2023)

Developed a recommendation system employing machine learning models such as RandomForest, XGBoost, and CatBoost, achieving up to 83% accuracy in predicting suitable universities for admissions in the U.S. and Canada.

## Participations & Technical Activities

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- Kavach Internal Hackathon 2023
- IEEE Hackathon 2023
- SIH Hackathon 2024
- Atlas SkillTech University Hackathon, sponsored by Meta and NVIDIA, which set a Guinness World Record for the most participants in a GenAI hackathon

## Achievements

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- **Finalist at the Productathon AI Hackathon :** Secured a finalist position in the Productathon AI Hackathon at IIT Roorkee, competing against 250 nationwide teams and successfully completing all five rounds.
- **Published Research Paper on IJNTI Journal:** Authored "*PHISPROBE: Phishing Link Detection Using Streamlit and Generative AI Approach*," published in IJNTI Journal, advancing cybersecurity by integrating machine learning with real-time detection capabilities.

## Awards and Certificates

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- **IBM AI Engineering Professional Certificate (IBM, 2024):** Proficient in Machine Learning (ML) and Deep Learning (DL) with expertise in Scikit-learn, SciPy, TensorFlow, Keras, and PyTorch. Skilled in building and deploying scalable AI solutions, including neural networks and deep learning models.
- **Python and Django Full Stack Developer Certification (Udemy):** Demonstrated expertise in Python and Django framework, including front-end and back-end development, database management, and web application deployment.
- **Advanced SQL Certification (HackerRank):** Proficiency in SQL query optimization, data manipulation, and database management with a focus on efficiency and performance.
- **Python for Data Science Course (Great Learning):** Hands-on experience with Python for data analysis, leveraging NumPy, Pandas, and Matplotlib for data manipulation and visualization
- **J.P. Morgan Software Engineering Virtual Experience (Forage, October 2023):** Developed real-time data visualizations using J.P. Morgan's Perspective library to enhance decision-making for traders.
- **Tata Data Visualization: Empowering Business with Effective Insights Job Simulation (Forage, October 2023):** Created data visualizations for Tata Consultancy Services, enabling executives to make data-driven decisions and optimize business strategies.