

Vishnu V Unnikrishnan

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github.com/visxnu

Summary

Versatile Python Developer and AI & Data Engineering student with a strong foundation in full-stack application development and production-ready deployments using Flask and Django. Proficient in JavaScript, SQL and experienced in machine learning and deep learning workflows (TensorFlow, scikit-learn, CNNs). Delivered classroom and project-based training at IPCS Global Institute for Data Science, Artificial Intelligence and Data Analytics, and completed hands-on internships in both Java and Python. Demonstrated ability to design clean architectures, implement data-driven features, and convert ML prototypes into deployed solutions.

Technical Skills

Programming Languages: Python(Advanced), SQL, HTML, JavaScript.

Libraries: Pandas, Tensorflow, YOLO, OpenCV, Numpy, Matplotlib, Django, Streamlit, Flask.

Development Tools: Visual Studio Code.

Databases: PostgreSQL, MySQL, MongoDB.

Additional Tools: Excel, PowerBI, Tableau.

Soft Skills

Strong problem-solving skills, team collaboration, effective communication, time management, rapid learning ability, adaptability and flexibility, critical thinking, attention to detail.

Professional Experience

IT Engineer - IPCS Global Solutions Private Limited, Bangalore, Karnataka, India April 2025
(onsite)

- Conducted comprehensive training sessions on Data Science, Artificial Intelligence, and Data Analytics covering Python, SQL, Machine Learning, Deep Learning, and Tableau.
- Mentored students through hands-on projects involving real-world datasets in domains like phishing detection, emotion recognition, and data visualization.
- Designed and implemented practical assignments and case studies to reinforce theoretical concepts with industry-relevant applications.
- Guided students in developing full-stack applications using Django and Flask, integrating front-end, backend, and database systems.
- Provided step-by-step instruction on machine learning workflows, including data preprocessing, feature engineering, model training, and evaluation using scikit-learn and TensorFlow.
- Introduced students to version control (Git/GitHub) and cloud deployment of ML and web applications.
- Conducted assessments, evaluated student progress, and provided individualized technical support to enhance learning outcomes.
- Collaborated with the academic team to update course content aligned with current industry trends and technologies.

Internship

Java Intern - Riss Technologies, Kochi, Kerala, India (onsite) May 2023 - June 2023

- Completed a one-month internship focused on core and advanced Java concepts.
- Gained hands-on experience in object-oriented programming, building mini projects, and understanding Java-based application development.

Python Intern - Soften Technologies, Kochi, Kerala, India (onsite)

May 2021 - June 2021

- Completed a one-month internship focused on Python programming and real-world application development.
- Gained hands-on experience in coding, debugging, and implementing basic projects using Python libraries and tools.

Projects

Linklock, A real-time phishing website detection system

github.com

- Developed a machine learning-based web application to detect phishing websites by analyzing URL features and predicting malicious intent.
- Collected and preprocessed data from the Kaggle “Phishing Website Detector” dataset for feature extraction and model training.
- Implemented multiple ML algorithms (Random Forest, Logistic Regression, XGBoost) and optimized performance through feature selection and hyperparameter tuning.
- Built a Flask-based REST API to serve the trained model for real-time phishing detection.
- Designed and integrated a Chrome Extension that communicates with the Flask API to instantly check if a visited URL is phishing or legitimate.

Brain Tumor Detection and Guidance App

github.com

- Developed a full-stack Flask application that detects brain tumors from MRI scans using a CNN and segments tumor regions using K-Means clustering.
- Integrated Google’s Gemini API to provide AI-generated medical guidance, lifestyle suggestions, and hospital recommendations.
- Features include visual tumor overlays, chatbot support for tumor-related queries, and classification into glioma, meningioma, pituitary, or no tumor.
- Tools: Python, Flask, TensorFlow, OpenCV, Google Generative AI (Gemini), HTML/CSS (Bootstrap).

TruMed-Healthcare, A hospital Management system

github.com

- Developed “TruMed-Healthcare”, a comprehensive web application for healthcare management, enabling patient profile management, appointment scheduling and provider portals.
- Built backend functionality using Django (Python) to handle patient data, medical histories, appointments and provider access in a secure, structured way.
- Created front-end interfaces using HTML/CSS (and Django templates) to allow patients and providers to interact with the system efficiently.
- Implemented workflow for appointment booking, rescheduling and cancellation, enhancing usability and operational efficiency in a healthcare context.
- Emphasised data integrity, user access control and maintainable architecture through Django’s built-in features and clean code practices.

Education

Learn Logic AI, Majeri, Kerala, India

July 2024 – July 2025

- Diploma in Artificial Intelligence

Government Polytechnic College Kasaragod, Kerala, India

June 2021 – March 2024

- Diploma In Computer Engineering

Reference

IPCS Global Solutions Private Limited

Bangalore, Karnataka

bangalore@ipcsglobal.com

Date: 30/08/2025

Place: Bangalore