

SHIVMURAT GUPTA

Software Developer ~ Python Developer

 Portfolio

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PROFILE SUMMARY

Software Developer with over 4+ years of experience, specializing in Python, Django, MySQL, AWS, and OpenAI. Experienced in building robust and scalable web applications using the Django framework, with strong expertise in API design and backend integration. Proficient in front-end technologies including HTML, CSS, Bootstrap, and JavaScript.

Adaptable to diverse work environments and passionate about solving complex problems through clean, maintainable code. Dedicated to continuous learning and keeping up with modern development practices, frameworks, and emerging technologies.

KEY PROJECTS

Web Application

ShopRight - Food Detection API | [LINK](#)

Python, Django, Ultralytics, Roboflow, AWS

Developed a food detection system using YOLO model (trained via Roboflow) to recognize prepared food and bakery items in real time. Integrated into a food delivery and hotel management web app, "ShopRight."

- Automated tracking of prepared food from live canteen data, eliminating manual kitchen monitoring.
- Deployed YOLO-based API on AWS EC2 for fast and reliable detection.
- Helped hotels and canteens manage inventory efficiently, improving stock accuracy by 80%.

Prototype Project

AI Exercise Tracker | [LINK](#)

Python, OpenCV, Google Mediapipe, Rust, WebAssembly, HTML, JS

Built two AI-based exercise prototypes for posture detection using Mediapipe Holistic Model to analyze yoga pose coordinates and compare them with live webcam input.

- Developed a desktop prototype (Python + PyInstaller) and a web version integrated into "Nutrilizer" web app.
- Used WebAssembly and Rust for real-time angle calculations from webcam frames.
- Enabled users to track workouts interactively, increasing exercise accuracy and engagement by 60%.

Plugin Tool

Autodesk Maya Facial Animation Plugins | [LINK](#)

Python, Mediapipe, Apple ARKit, Unreal Live Link

Created a suite of Python-based plugins for Autodesk Maya that automate facial animation of 3D characters and MetaHumans using ARKit blendshapes.

- Supported animation via recorded videos, CSV files, and live webcam streaming.
- Integrated Mediapipe Face .task model for real-time facial expression tracking.
- Reduced animators' manual workload by 70%, significantly speeding up production workflows.

Web Application

Financial Chatbot | [LINK](#)

Python, Django, OpenAI, AWS, JS, CSS

Developed a financial analytics chatbot integrating OpenAI and 8+ APIs (Finnhub, Yahoo Finance, FRED, WorldBank, etc.) for real-time insights on stocks, crypto, and forex.

- Designed API architecture and caching to improve data-fetch speed by 35%.
- Implemented ARIMA-based prediction engine for stock forecasting.
- Secured APIs with JWT auth and hosted on AWS EC2 + RDS.
- Improved user engagement by 40% through context-aware AI responses.

Web Application

BhaaratERP | [LINK](#)

Python, Django, AWS, JS, HTML, CSS

Built an enterprise-grade ERP tool managing inventory, HR, sales, and CRM with a 5-member team.

- Reduced manual data entry by 60% through automation workflows.
- Integrated RDS + S3 for secure data and file storage.
- Deployed scalable architecture on AWS EC2, cutting downtime by 25%.

Web Application

Self Assessment Tool | [LINK](#)

Python, Django, MySQL, JavaScript

Developed an internal evaluation platform for performance self-assessment and lead feedback.

- Enabled 100+ employees to track KPIs securely via role-based access.
- Integrated email scheduler for automated reminders, improving participation by 50%.

Web Application

CrazzyHub | [LINK](#)

Python, Django, AWS, JS

Created an online electronics marketplace integrated with BhaaratERP for real-time inventory sync.

- Implemented optimized product search and cart, reducing page load time by 40%.
- Supported 1,000+ active users with secure authentication and checkout.

Mobile Application	HUDU App Play Store Contributed to a dating app featuring chat, video, and voice calling with payment via Stripe. <ul style="list-style-type: none">Added location-based features to enhance user discovery by 25%.Migrated payment gateway to Stripe, improving transaction success by 30%.	Python, Django, Java, AWS, Stripe
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EDUCATION & CERTIFICATIONS

2024	DeepLearning.AI (by Isa Fulford & Andrew Ng) Course Link Completed a specialized course focusing on prompt design, system message structuring, and AI-assisted development workflows.	ChatGPT Prompt Engineering for Developers
2021	HackerRank Certificate Link Earned the HackerRank Problem Solving (Basic) certification as a top Python coder in 2021, demonstrating strong analytical and algorithmic skills.	Problem Solving (Basic) Certification
2021	LearnVern (NSDC Certified) Course Link Completed a government-recognized NSDC course focusing on Django framework, backend API development, and database integration.	Python Django Development Course
2018 – 2022	Kalinga University Raipur, India	B.Tech in Computer Science

EXPERIENCE

10/2024 – Present	Criterion Technologies Pvt. Ltd. On-site	Company
	• Lucknow, India Python, C/C++ / Django, Flask, QT (Python,C/C++) / OpenAI, Hugging Face / ChatBots / MySQL, PostgreSQL, SQLite3 / Git, Github, Monday.com / IIS	
10/2023 – 10/2024	DevTrust - DevTech Enterprises Pvt. Ltd. On-site	Company
	• Lucknow, India Python / Django / OpenAI / Git, Gitlab, Jira / ChatBot / MySQL / AWS / Data Scraping	
8/2022 – 10/2023	Yadu Technologies On-site	Company
	• Noida, India Python / Django / HTML, CSS, JavaScript / MySQL / AWS / Selenium	
11/2021 – 7/2022	Kollme Technologies On-site	Company
	• Lucknow, India Python / Django / Java / Android Development / MySQL / AWS EC2	
12/2021 - 2/2022	Lejhro Bootcamp Remote	Internship
	• Bhubaneshwar, India Python / Deep-Learning / Machine-Learning / Jupyter Notebook	

LANGUAGES

English - Communicative, **Hindi** - Native, **Marathi** - Beginner