

Deepesh Mirpuri

☎ +91 8939218600

✉ deepeshmirpuri@gmail.com

in [linkedin.com/in/deepeshmirpuri](https://www.linkedin.com/in/deepeshmirpuri)

🐙 github.com/deepmirpuri7

✉ deepmirpuri7@gmail.com

Professional Summary

Graduate in Computer Applications with practical skills in AI, Automation Systems, Cloud Computing and IoT Integration. Experienced in real-world projects, workshops, and self-learning. Ready to support teams by improving system security, building smart connected devices, using cloud tools for better performance, and applying AI to solve problems. Actively looking for job opportunities where I can contribute to a machine-driven future and grow alongside a forward-thinking team.

Technical Skills

- **Languages:** Python, Java, SQL, MySQL, C, C#, HTML, NodeJS
- **Core Concepts:** DSA, AI, Cybersecurity, Android Programming, Machine Learning, IoT, Digital Design
- **Machine Learning:** Linear Regression, SVM, Decision Trees, Google Colab
- **Data Analysis:** Data Cleaning, Data Visualization, SQL, MySQL
- **Cloud:** AWS/GCP free-tier
- **IoT:** Raspberry Pi and sensor interfacing, Arduino Prototyping
- **Designing Tools:** Canva, Photoshop, Illustrator, InDesign

Academic History

Loyola College

2023–2026

Bachelor of Computer Applications

CGPA: 7.9/10 (GPA: 3.16/4.0) – *First Class with Distinction*

Sindhi Model Sr. Sec. School

2009–2023

Commerce

Class 12th – 84%

Class 10th – 83%

Certifications

- Complete Python Bootcamp – Udemy (Jose Portilla)
- Artificial Intelligence, Agentic AI, Gen AI, and RL – Udemy (SuperDataScience)
- Graphic Designing Masterclass (Photoshop, InDesign, Illustrator) – Udemy
- Complete C++ Course – SSI Computer Education, Anna Nagar
- Generative AI – NVIDIA Self-paced Training
- Machine Learning Basics – TensorFlow FreeCodeCamp
- Arduino Prototyping Workshop – IIT Madras
- Complete Python Course – SSI Computer Education, Anna Nagar

Project History

- **Stock Market News API** – Live API displaying latest stock market news from 5+ financial sources; reduced data fetch latency by 30% using caching
- **AI-Powered Speech Translator App (Prototype)** – Android app prototype translating language using OpenAI and Google Gemini; achieved 92% translation accuracy across 10+ languages
- **Hand Gesture Classifier** – Real-time gesture recognition with 88% accuracy using OpenCV and MediaPipe; processes 30+ frames per second
- **SVM Image Classifier - Cats vs Dogs** – Classification model predicting cat/dog using pixel-level image data; achieved 85% validation accuracy with optimized hyperparameters

Internships

Machine Learning Intern – Pulse Telesystems Pvt. Ltd

1 month

- Built and optimized automated IVR/voice-bot systems with ML-based intent classification in Python
- Designed structured call-flow state machines and implemented LLM fallbacks for low-confidence inputs
- Improved IVR accuracy by 25% for short utterances, keypad inputs, and real-world telecom scenarios
- Reduced misrouted calls by 18% through improved intent classification thresholds

Python Development Intern – Elevate Labs

Current

- Backend scripting and automation tasks using Python for internal tools and APIs
- Used Python libraries (requests, json, BeautifulSoup) for scraping, parsing, and data integration
- Automated 5+ manual reporting workflows, saving 10+ hours per week for the operations team

Machine Learning Intern – Elevate Labs

Current

- Building and testing ML models on structured/unstructured datasets
- Preprocessing, feature engineering, and evaluating classification models (SVM, KNN, ensemble methods)
- Improved model F1-score by 12% through tuning and validation techniques
- Reduced overfitting by 8% using cross-validation and regularization strategies

Machine Learning Intern – Skillcraft Technology

Completed

- Hands-on ML internship focused on real-world data projects
- Four core projects: Linear Regression, K-Means Clustering, SVM Image Classifier, Hand Gesture Recognition
- Used Python, Scikit-Learn, Pandas, NumPy, Matplotlib, OpenCV
- Achieved 84% average accuracy across all classification models; reduced processing time by 20% through feature engineering

Social Work

Outreach Program – Loyola College

9 Months

- Educational support, awareness programs, and community-building efforts
- Awareness drives, educational assistance, and social service activities in schools and rural areas
- Reached 500+ students through 15+ awareness campaigns

BLOOM India (NGO) – Media Team Head and Curriculum Development Executive April–Dec

- Dual role at student-led NGO promoting financial literacy among women and children
- Head of Content Development: managing 10 student volunteers, overseeing educational materials and workshop strategies
- Curriculum Development Executive: research workshop curriculum simplifying financial concepts through storytelling and digital media
- Designed 8 workshop modules reaching 200+ participants across 5 locations