

# Soumyaranjan Pradhan

Python Full Stack Developer with AI/ML Exposure

+91 9337580180 [soumyaranjanaman54@gmail.com](mailto:soumyaranjanaman54@gmail.com)

[linkedin.com/in/soumyaranjan-pradhan-](https://www.linkedin.com/in/soumyaranjan-pradhan-) [github.com/SoumyarananPradhan](https://github.com/SoumyarananPradhan) [Portfolio](#)

Ameerpet, Hyderabad, India

## Education

### Kalinga Institute of Industrial Technology (KIIT University)

Bhubaneswar, Odisha

Master of Computer Applications (MCA) – CGPA: 8.09/10.0

2023 – 2025

- **Relevant Coursework:** Data Structures & Algorithms, Database Management Systems, Software Engineering, Web Technologies, Machine Learning, Cloud Computing

## Technical Skills

**Programming Languages:** Python, JavaScript, SQL, HTML5, CSS3  
**Backend & APIs:** Django, Flask, Django REST Framework, Node.js, RESTful APIs, JWT Authentication  
**Frontend Technologies:** React.js, Redux, Bootstrap, Tailwind CSS, JavaScript ES6+  
**Databases:** MySQL, PostgreSQL, MongoDB, SQLite  
**Cloud & DevOps:** AWS (S3, EC2), Docker, Git, GitHub, CI/CD Pipelines, Railway, PythonAnywhere  
**AI/ML Libraries:** TensorFlow, Scikit-learn, Pandas, NumPy, OpenCV, Deep Learning  
**Payment Integration:** Stripe, Razorpay APIs  
**Media Storage:** Cloudinary, AWS S3, CDN Integration

## Experience

### AI/ML Intern

February 2025 – March 2025

Central Tool-Room and Training Center (CTTC)

Bhubaneswar, Odisha

- Engineered end-to-end Face Recognition System using Python, OpenCV, and CNNs achieving 95%+ accuracy in real-time detection across diverse lighting conditions with 10,000+ image dataset
- Optimized deep learning model with TensorFlow and Keras through hyperparameter tuning and transfer learning, reducing inference time by 40% while maintaining high accuracy
- Delivered production-ready ML pipeline using Agile methodology within 2-month timeline, collaborating with cross-functional team on data augmentation and feature extraction techniques

## Projects

### VellaVision – YouTube-like Video Sharing Platform | *Django, PostgreSQL, Cloudinary, Railway* [Live](#) | [GitHub](#)

- Built full-stack video streaming platform with Django backend supporting user authentication, video uploads, likes/dislikes, view tracking, and channel management for 100+ concurrent users
- Integrated Cloudinary for permanent cloud video storage with auto-generated thumbnails, implementing FileField with custom validators for secure video uploads and optimized CDN delivery
- Deployed production application on Railway with PostgreSQL database, automated CI/CD pipeline, and environment-based configuration achieving 99% uptime

### Anime Search Application | *React.js, REST API, JavaScript, CSS3* [Live](#) | [GitHub](#)

- Developed interactive anime discovery platform with search functionality, category browsing, and random recommendations using React.js and third-party anime APIs
- Implemented client-side routing with React Router, state management, and asynchronous API calls with Axios for seamless user experience across multiple views
- Designed responsive UI components with modern CSS for optimal viewing across desktop and mobile devices, featuring dynamic anime cards and filtering capabilities

### Personal Portfolio Website | *React, Tailwind CSS, Django, Node.js, SQLite* [Live Production Application](#)

- Deployed responsive portfolio with 95+ Google Lighthouse score; integrated backend API for contact form with email notifications and spam protection
- Optimized asset delivery with lazy loading on PythonAnywhere, reducing initial load time to under 2 seconds

## Certifications & Achievements

**Certifications:** Python Complete Course and Flask Framework (Udemy), HTML Essentials (Udemy), Brain Computer Interface with Deep Learning (Udemy)

**Leadership:** Led code reviews and technical discussions during AI/ML internship