

SOUMYARANJAN PRADHAN

Python Full Stack Developer with AI/ML Exposure

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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