AYUSH ROUTRAY
Backend Python Developer

Python Developer and AI/ML enthusiast with internship experience in machine learning, AI applications, and web development. Skilled in building ML models, deploying workflows, and creating user-focused solutions. Recognized for problem-solving, collaboration, and a solid foundation in cloud technologies and automation, with a passion for turning technical expertise into impactful real-world results.

EDUCATION

- **B-Tech in Electrical & Computer Engineering – BPUT** 2022-2026
  Ajay Binay Institute of Technology, Cuttack
  CGPA: 7.11 (up to 6th semester) | 2022 – 2026

- 12th Science – Council of Higher Secondary Education (CHSE), Odisha 2020-2022
  DRIEMS University, Tangi, Cuttack, Odisha

- 10th – Indian Certificate of Secondary Education (ICSE) 2019-2020
  St. Xavier High School, Cuttack

EXPERIENCE

Machine Learning Intern – Kreative Timebox Pvt. Ltd. (Hyderabad) | 05/2025-07/2025

- Built and tested ML models on real-world business image datasets.
- Developed OCR pipelines for text extraction from distorted receipts & invoices, improving accuracy by 80%.
- Designed & deployed ML preprocessing workflows for extracted text.
- Implemented HITL (Human-in-the-loop) pipelines for error handling.
- Deployed project on AWS for client demos & Proof of Concept (POC).

AI/ML Intern – Softech Pvt. Ltd. (Cuttack) | 11/2023-01/2024

- Gained hands-on experience in AI & ML fundamentals.
- Developed a Handwritten Text Recognition System for document digitization.

PROJECTS

- Skin Cancer Detection – Classification using VGG16, CNN, XGBoost (Keras, TensorFlow).
- EV Price & Customer Review Analysis – Data-driven insights on sales & feedback trends.
- Emotion Detection with OpenCV & AI Chatbot – Preventing negative thoughts using Gemma API.
- Resume Builder – Developed using PHP, JavaScript, MySQL.
- Fine-tuned Llama3 for Medical Advisory (Jan AI) – Custom LLM training for domain-specific support.
- Automated Company Data Scraping – n8n + Retell API + Webhook + Supabase.
- Smart Inventory Management – Laravel + MySQL + TypeScript + PHP.
- Disaster Management App – Built on Android Studio for emergency response.
- Portfolio Website – Developed with React, Next.js, Spline & ReactBits.
- Bank Statement Data Extraction – Automated financial document processing for UK-based clients.

CERTIFICATIONS & ACHIEVEMENTS

- 4th Place – Trident Hackathon
- 1st Place – Poster Presentation (ABIT)
- 2nd Place – ASBM App Stack Competition
- Shrusti (App Stack) Completion Certificate
- Let's Upgrade – Python & AI Course
- Internship Completion – Kreative Timebox Pvt. Ltd.
- Workshop – Data Science & Ethical Hacking (IIT Bhubaneswar)

ATTRIBUTES

Problem Solving | Teamwork | Time Management | Communication | Critical Thinking | Analytical Thinking

LANGUAGE

English | Hindi | Odia

CONTACT

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 https://github.com/Parrot90