Satyajit Pujapanda

B. Tech (Computer Science and Engineering(Ai/Ml))

+918260051512 | Email | GitHub | PortFolio | LinkeDin |

Career Objective:

Seeking a role in AI/ML and full-stack web development to apply my skills in building scalable and efficient applications. Passionate about innovation, problem-solving, and continuous learning.

Education:

B.Tech, Computer Science & Engineering (AI/ML)

- GIET University | 2022 - 2026 | CGPA:7.65

Senior Secondary (XII), CHSE

- S.C.S Autonomous College, Puri, Odisha | 74.00% | 2022

Secondary (X), BSE

- Saraswata Secondary School of Educational & Vocational Studies, Puri, Odisha | 83.16% | 2020

Technical Skills:

- Programming Languages: C, Python, Core-Java
- Frontend Development: HTML, CSS,JavaScript, React.js
- Backend Development: Node.js, Express.js, RESTful APIs
- Databases: MongoDB, NoSQL
- Ml Frameworks & Libraries: Scikit-learn, Pandas, NumPy, Matplotlib,TensorFlow

---

Internship Programs:

Machine Learning Intern – Yhills (Jan 2024 - Mar 2024)

- Developed and optimized a stock prediction model using machine learning algorithms like Random Forest and Linear Regression.
- Contributed to data preprocessing, feature extraction, and model evaluation with cross-validation and hyperparameter tuning.
- Built a time-series forecasting model using ARIMA and SARIMA to predict market trends.
- Collaborated with the team to enhance model performance and analyze results.
- Utilized Python, Scikit-learn, Pandas, and Matplotlib for model training, analysis, and visualization.

Machine Learning Intern – GIET University (Jun 2024 - Jul 2024)

- Developed a Smart Irrigation System using machine learning to optimize water usage based on environmental factors.
- Collected and processed sensor data for soil moisture, temperature, and humidity to train predictive models.
- Implemented decision tree and regression models to automate irrigation scheduling.
- Improved system efficiency by analyzing real-time data and optimizing water distribution.

Projects:

[Link]AICTE Approval Process Portal (Python, OCR, React.js, Node.js, Express.js, MongoDB)

- Streamlined AICTE approval for institutions using OCR and pattern matching.
- Automated document verification, status tracking, and approval processes.

[Link]Smart Irrigation System (Machine Learning, Python, Weather APIs, IoT, Sensor Data)

- Developed a stacked model achieving 97% accuracy for irrigation prediction.
- Integrated weather forecasts and soil data for optimized water conservation.

[Link]FarmSmart (Federated Learning, IoT, Data Analytics, React,Mongodb,Node.js,Express.js,Python,Vercel)

- Smart farming solution utilizing IoT, ML, and data analytics.
- Provides real-time insights on soil moisture, temperature, and crop health.

[Link]Crop Yield Prediction (Federated Learning)

- Uses decentralized data to enhance crop yield prediction accuracy.
- Ensures data privacy through federated learning models.

Extra-Curricular Activities

Hackathons:

- Participated in 2 Smart India Hackathons (SIH) and 4 internal hackathon.
- Led a shortlisted project at the college level, focusing on AI-driven solutions.
- Collaborated with a team to develop innovative tech solutions under tight deadlines.

Social Work (NSS):

- Organized blood donation camps, health awareness drives, and welfare programs in rural areas.
- Conducted workshops on digital literacy and sustainable living for underprivileged communities.
- Actively participated in cleanliness drives and environmental conservation initiatives.
- Organized Shrujan 2.0