

Satadru Jati

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EDUCATION

University of Engineering & Management Kolkata

B.Tech Computer Science (2022–2026)

8.48/10 — Coursework: OOP (Python/Java), DSA, AI/ML, Cloud Computing, DBMS

GPA:

Techno India Group Public School

AISSCE (12th Grade)

2022

84.6%

— Science Stream

Techno India Group Public School

AISSE (10th Grade)

2020

96.4%

TECHNICAL SKILLS

Languages: Python, Java, SQL, TypeScript, HTML5/CSS3
Frameworks: React, Node.js, Express.js, PyTorch, TensorFlow
Cloud: AWS (EC2, S3), GCP, Vercel, Salesforce CRM
Tools: Git, VS Code, UE5, Roboflow, MongoDB
Methods: Agile, REST API, CI/CD, Data Visualization

EXPERIENCE

TutorialsPoint — Web Content Writer (Remote)

2022–2023

- Published 50+ technical articles on DSA & cloud computing with 95% client satisfaction
- SEO-optimized content achieving first-page Google rankings within 3 months
- Collaborated with 10+ SMEs for technical accuracy

Shell — Machine Learning Intern (Remote)

Apr–May 2025

- Developed Wind Power Generation Forecasting model using TensorFlow/Python
- Analyzed historical weather/turbine data to optimize energy output predictions
- Collaborated with industry professionals on renewable energy solutions

PROJECTS

Assessly — Automated Grading Platform (React, Node.js, Gemini AI)

2025

- Reduced educators' evaluation time by 85% via AI-powered grading
- Implemented cryptographic nonce links & assignment tracking dashboards
- Shortlisted for Hack4bengal 2025

Flight Price Prediction — ML System (XGBoost, Pandas)

2024

- Achieved 89% accuracy (RMSE: 1123.45) through hyperparameter tuning
- Engineered features & visualized trends using Matplotlib/Seaborn

Toxicity Detection in Content Moderation with Deep Learning and At-

2025

tention Models — NLP System (LSTM, GRU, etc.)

- Developed a deep learning-based hate speech detection system to classify text as safe or unsafe.
- Achieved approx. 80% accuracy in detecting NSFW speech.
- Implemented advanced NLP models, including LSTM, BiRNN, Seq2Seq, and GRU, for accurate text classification.
- Compared the results of different models to state which model performs better at which level of toxicity

Endless Runner — UE5 Game (Procedural Generation)

2023

- Developed infinite terrain system with optimized 60 FPS performance
- Created interactive menu systems & character controllers

CERTIFICATIONS

- EA Product Management (Forage)
- EA Software Eng (Forage)
- AWS Solutions Arch (Forage)
- Cloud Computing (AcmeGrade)
- Shell ML Internship (AICTE)