Avradeep Halder

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EDUCATION

Narula Institute of Technology   **Sep 2023 - Jun 2027**
Kolkata, India
- B.Tech in Computer Science and Engineering (Data Science), CGPA: 8.88/10 (upto 4th sem)
- Relevant Coursework: Operating System, Data Structures and Algorithm, Discrete Mathematics, Design Analysis of Algorithm, Machine Learning, Object-Oriented Programming

Maheshtala High School (H.S)   **WBCHSE | 2020 - 2022**
- Higher Secondary Education, Percentage: 88.60%

Jote Shibrampur Sikshaniketan (H.S.)   **WBBSE | 2019 - 2020**
- Secondary Education, Percentage: 88.57%

SKILLS

Languages: C, Java, Python, HTML5, CSS3, JavaScript
Frameworks & Libraries: React, Node.js, Express, MongoDB, TensorFlow, PyTorch, scikit-learn, NLTK, OpenCV
Development Tools: Git, GitHub, VS Code, Kaggle, Google Colab
Soft Skills: Project Management, Team Leadership, Technical Communication, Problem Solving

PROJECT WORK

Fake News Detection
Developed ML-based system using NLP to classify fake news articles, leveraging scikit-learn and real-time text processing.

Sentiment Analysis
Built robust pipeline for text sentiment analysis with feature engineering and classification models for diverse datasets.

Road Lane Lines Detection
Engineered computer vision solution to detect and overlay lane markers on dashcam video using Python and OpenCV.

Resume Parser
Created NLP-powered parser to extract candidate information and skills from resumes for recruitment automation.

AI Translator
Developed translation app with AI for multilingual text processing and voice recognition supporting accurate translations.

Smart Text Corrector
Developed AI-powered tool for grammar and spelling correction with tone conversion features (formal, casual, fluent) to improve text quality and style.

CERTIFICATIONS & ACHIEVEMENTS

Technical Certifications
- HackerRank Java (Basic) Certificate – ID: 9448AA98D92F, Nov 2025
- HackerRank 5-Star Java Badge – Advanced problem-solving proficiency
- NPTEL Probability and Statistics – Certification exam score: 69%
- Android Application Development – 30-hour training, Ardent Computech Pvt. Ltd., Feb 2025

Data Science & Analytics
- Deloitte Data Analytics Job Simulation – Data analysis and forensic technology, July 2025
- HP LIFE: Data Science & Analytics – Coursework on methodologies and tools, July 2025

Networking
- Cisco Networking Academy: Network Addressing and Basic Troubleshooting – July 2025

Academic Publication
- Book Chapter Contributor – "Emerging Trends in Neuroinformatics, AR/VR, and Brain-Inspired Computing" in *Cognitive Computing with Brain–Computer Interfaces*, Nova Science Publishers, USA (2025)