Abhishek Panda

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SKILLS

Languages:	C++, JavaScript, Python, SQL, HTML, CSS
Technologies:	Node.js, React.js, Express.js
Libraries:	NumPy, Pandas, Scikit-learn
Tools/Platforms:	MySQL, Git, GitHub, Jupyter Notebook
Soft Skills:	Teamwork, Adaptability, Problem-Solving

PROJECTS

Disk Scheduling Algorithm Visualizer | GitHub Link   Feb '25 – Apr '25

- Built an interactive Disk Scheduling Algorithm Visualizer to demonstrate seek-time behavior across multiple strategies.
- Implemented algorithms including SSTF, SCAN, C-SCAN, LOOK, C-LOOK, enabling real-time comparison of efficiency and head movement.
- Designed dynamic visual simulations to improve conceptual clarity and support algorithm analysis for students.
- Deployed and version-controlled the project on GitHub, ensuring global accessibility and reproducible usage.
  Tech: HTML, CSS, JavaScript ES6, C++

Train Delay Forecasting System | GitHub Link   Jan '25 – Feb '25

- Developed a Train Delay Prediction System using historical delay records and external factors like distance, weather, and congestion to forecast delays.
- Built a full ML pipeline covering data cleaning, preprocessing, encoding, feature scaling, and model training for accurate time-delay prediction.
- Engineered meaningful features through feature engineering and benchmarked model performance using R^2, RMSE, and MSE metrics.
- Boosted prediction performance, achieving 93%+ accuracy (R^2 score: 0.93) using Random Forest regression.
- Version-controlled and deployed the project on GitHub for accessibility, reproducibility, and future upgrades.
  Tech: Python, Pandas, NumPy, Matplotlib

TRAINING

Data Structures and Algorithm with C++ | Splen Technologies   Jun' 25 – Jul' 25

- Trained in core DSA concepts including arrays, linked lists, stacks, queues, trees, graphs, and essential algorithmic techniques.
- Implemented major data structures and solved targeted problem sets to strengthen practical problem-solving and optimization skills.
- Built an Inventory Management System using custom data structures to enable faster lookup, efficient stock updates, and optimized data handling.

CERTIFICATION

- Privacy and Security in Online Social Media | NPTEL   Apr' 25
- Oracle Cloud Infrastructure 2025 Certified Data Science Professional | Oracle   Aug' 25
- Oracle Cloud Infrastructure 2025 Certified Generative AI Professional | Oracle   Sep' 25
- Oracle Cloud Infrastructure 2025 Certified DevOps Professional | Oracle   Sep' 25
- Introduction to Machine Learning | NPTEL   Sep' 25

ACHIEVEMENTS

- Ranked in the global top 15 percent on LeetCode with a peak contest rating of 1650
- Completed 700+ coding problems across LeetCode, HackerRank, GFG, and InterviewBit.

EDUCATION

Lovely Professional University   Phagwara, Punjab
*Bachelor of Technology - Computer Science and Engineering; **CGPA: 9.19***   *Since Aug' 23*

St. Arnold's School   Rourkela, Odisha
*Intermediate; **Percentage: 95.3***   *Apr '21 – Mar' 23*

St. Arnold's School   Rourkela, Odisha
*Matriculation; **Percentage: 95.4***   *Apr' 20 – Mar' 21*