

ALOKIK GUPTA

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EDUCATION

Dr A.P.J Abdul kalam Technical university (Psit, Kanpur)

B.Tech in Computer Science and Engineering CGPA – 7.0

09/2021 - 07/2025

TECHNICAL SKILLS

Programming Languages: C++, Python, JavaScript

Technical: Data Structures, DBMS, OOPS, Frontend Development

Libraries and Framework: React JS, Node JS, Next JS, Numpy, Pandas, Cv

Web Technologies: Html, Css

Databases: MySQL, MongoDB, Oracle

Data Science: Standard ML Algorithm (Regression, Classification, Clustering)

Testing: SDLC, Test Life Cycle

Developer Tools: VsCode, Git

API and Protocols: Rest

PROJECTS

- **Mood Spotifier Application using Artificial Intelligence, Deep Learning and Flutter**
 - Developed a real-time mood detection system, analyzing facial expressions, providing dynamic music recommendations with **95% accuracy for 10+ moods**.
 - Technology stack: Python, OpenCV, CNN, Keras, TensorFlow Lite, Spotify, Flutter
 - Efficiency achieved: 75% accuracy after training the model for 25 epochs.
- **Real-Time Data Processing Pipeline on Google Cloud**
 - Developed a data ingestion and processing pipeline using **Google Pub/Sub** to capture streaming **JSON data** from a simulated IoT source.
 - **Implemented Google Dataflow** (Apache Beam) for ETL processing and stored transformed data in BigQuery with partitioned tables to reduce cost.
 - Created SQL queries for trend analysis, **optimizing execution time by 35% through query restructuring**.
 - Visualized data insights in Google Data Studio.
 - Tech stack: Python, BigQuery, Dataflow, Pub/Sub, Terraform, Git.
- **Rock, Paper and Scissors using HTML, CSS, JavaScript, ReactJS and Local Storage**
 - Developed an engaging React application for playing Rock, Paper, Scissors that stored game history in local storage; maintained a user-friendly interface and **achieved positive feedback from 100% of test users during usability sessions**.
 - Technology stack: Html, CSS, JavaScript.
 - Efficiency achieved: Enhanced **game load time by 25%** through efficient use of Local Storage to store game history, eliminating the need for frequent server requests.

CODING PROFILE

- Solved more than 300+ DSA problems on Various Platforms like Leetcode, GFG, Hackerrank
- Top 50 Leetcode Biweekly contest (Sep 2024) - Were in the top 50 on the Biweekly Coding Contest by leetcode.

CERTIFICATIONS

- Data Structures and Algorithms using Python: (Infosys Springboard)
- The Ultimate MySQL Crash Course 2023 (UDEMY)
- HTML5, CSS3, SQL and JavaScript Certifications: (Infosys Springboard)
- Oracle Cloud Infrastructure Foundation: (Oracle)
- Oracle Cloud Infrastructure 2025 AI Foundations Associate: (Oracle)
- Oracle Cloud Infrastructure 2025 Generative AI Professional: (Oracle)