RAJATESH PAUL

 Rajatesh-Paul | rajateshpaul | rajateshpaul@gmail.com | 9706063716

SUMMARY

Final-year B. Tech student with solid foundational skills in data structures, algorithms, object-oriented programming, and database concepts, with proficiency in cloud computing fundamentals. Skilled in C, C++, and SQL, with proven ability to apply logical thinking and problem-solving techniques to develop efficient and scalable solutions.

EDUCATION

Kalinga Institute of Industrial Technology, Bhubaneswar — 2022 – Present
B. Tech in Information Technology, CGPA– 7.53

Dooars International Public School, Cooch Behar — 2021 – 2022
Higher Secondary Education

Dooars International Public School, Cooch Behar — 2019 – 2020
Secondary Education

PROJECTS

Parkinson's Disease Detection using Machine Learning ⬈
Concepts – Support Vector Machine (SVM)

- Designed and implemented an **SVM-based classification model** for Parkinson's disease detection using voice features, achieving **87.17% prediction accuracy**.
- Performed **data preprocessing, feature extraction (MDVP, jitter, shimmer), and exploratory data analysis (EDA)** on medical voice datasets to improve model performance.
- Evaluated the model using **confusion matrix, accuracy, precision, recall, and F1-score**, ensuring reliability and interpretability of results.

Cloud-Based Secure File Management System ⬈
Concepts – React.js, AWS S3, Amazon Cognito, IAM

- Developed a **responsive web interface using React.js** for secure file upload and management.
- Implemented **user authentication and authorization using Amazon Cognito**, supporting secure sign-up and login.
- **Integrated Cognito Identity Pools with IAM roles** to provide controlled, temporary access to cloud resources.
- **Configured per-user file isolation** and stored data securely in **Amazon S3 with server-side encryption (SSE-S3)**

SKILLS

Programming Languages:	C, C++, Java, Python, SQL, HTML, CSS, JavaScript, React.js
Tools/Platforms:	MySQL, Oracle DB, AWS, GitHub, Git, Power BI, AutoCAD, SolidWorks, VS Code
Subject/Electives:	Data Structures and Algorithms (DSA), Object Oriented Programming using Java (OOPS), Database Management System (DBMS), Machine Learning (ML), Cloud Computing, Software Engineering, Big Data, Data Science and Analytics

CO-CURRICULAR ACTIVITIES

Senior Creative Executive (Photography & Videography Lead)

At FED KIIT, I managed photography and videography coverage for various events, planned and executed shoots, and coordinated with the Creative Director and team members to produce high-quality visual content aligned with the organization's initiatives and vision.

CERTIFICATIONS

- AWS Academy Cloud Foundations
- AWS Academy Cloud Architecting
- Architecting Solutions on AWS
- Palo Alto Cybersecurity Academy Fundamentals
- TCS iON Career Edge – Young Professional