Kalwa Rohith

+91 6281021648 | kalwarohith45@gmail.com | LinkedIn | GitHub | LeetCode

Education

Parul University, Vadodara, India	Expected 2026
Bachelor of Technology in Computer Science	CGPA: 6.91/10

TOSS, Telangana, India	2022
Intermediate in Mathematics, Physics, and Chemistry with 81 percent	

Vikas Techno High School, Telangana, India	2020
Secondary School Certificate with 10 out of 10 grade point average	

Technical Skills

Programming Languages: C, C++, Python, Java, JavaScript, SQL
Frameworks and Libraries: Flask, Django, TensorFlow, NumPy, Pandas
Databases: MySQL, MongoDB
Core Knowledge: Data Structures, Algorithms, Object Oriented Programming, REST API Development, Authentication, Session Management, Database Design, Model Evaluation
Tools and Cloud Platforms: Git, GitHub, Visual Studio Code, Amazon Web Services including EC2, S3, and IAM

Projects

Multi Disease Prediction System — Python, TensorFlow, Flask
- Architected a deep learning pipeline integrating convolutional neural networks, ResNet, DenseNet, and MobileNet for medical image classification.
- Trained and validated models on more than 15,000 labeled medical images using cross validation and hyperparameter tuning.
- Achieved classification accuracy between 98 and 100 percent across heart disease, pneumonia, and diabetic retinopathy datasets.
- Deployed a Flask web application that enables real time medical image upload and automated prediction reporting.

Online Voting System — Python, Flask, MySQL
- Designed a secure web based voting platform with role based authentication and encrypted session handling.
- Reduced vote processing time by 35 percent through efficient SQL query restructuring.
- Created a normalized relational database schema that improved data consistency and scalability.
- Strengthened application security using input validation and access control mechanisms.

Random Username Generator — Python
- Built an algorithmic username generation engine producing more than 10,000 unique combinations.
- Structured modular file handling architecture to improve maintainability and code reuse.
- Increased generation efficiency by 20 percent using optimized string manipulation techniques.

Expense Tracker — Python
- Designed a personal finance management system with automated category based analytics.
- Reduced manual expense tracking effort by 60 percent through dynamic summary computation.
- Integrated persistent storage and validation logic to ensure reliable data processing.

Experience

Python Development Intern – MotionCut July 2023 to October 2023
- Automated repetitive workflows, increasing operational efficiency by 30 percent.
- Refactored legacy modules using object oriented programming principles, reducing runtime errors by 25 percent.
- Collaborated within a distributed development team using Git based version control practices.

Java Development Intern – GenZ Educate Wing May 2023 to July 2023
- Built Java desktop applications using structured exception handling and object oriented design.
- Decreased application response time by 20 percent through logic restructuring.
- Implemented more than 12 interactive graphical user interface components that improved user navigation efficiency by 25 percent.

Certifications

Amazon Web Services Cloud Fundamentals Certification from Parul University
MongoDB Developer Certification from GeeksforGeeks
NPTEL Certification in Computer Networks with 60 percent score
Post Graduate Diploma in Computer Applications with 81 percent score