

Rahematullah A. Qayyum Balolkhan

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SKILLS

Languages:	HTML, CSS, JavaScript, C, C++, Java, Python
Frameworks/ Libraries:	Bootstrap 5, Tailwind CSS, Node.js, React, React Native, NumPy, Pandas, Matplotlib, Scikit-Learn, spaCy, NLTK, Seaborn, TensorFlow
Tools/Platforms:	MySQL, MongoDB, Oracle SQL, REST APIs, Git & GitHub
Core CS Skills:	Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Computer Networks (Basics), Time & Space Complexity, Supervised & Unsupervised Learning, Clustering, Dimensionality Reduction, NLP, Feature Engineering
Professional Strengths:	Project Coordination, Rapid Skill Acquisition, Cross-Functional Collaboration

INTERNSHIP

Kite Media & Co. | Web Developer Intern

Since September 2025

- Contributed to the delivery of 15+ fully responsive, cross-browser websites, collaborating with design, backend, and content teams on client-facing projects.
- Supported a range of business websites, marketing landing pages, e-commerce layouts, portfolios, and internal tools, maintaining consistent design quality and performance.
- Improved front-end performance through reusable UI components, layout refinement, and accessibility-focused practices.
- Integrated APIs, managed form workflows, and connected backend features using Node.js and MongoDB to enable dynamic content handling.
- Advanced to **Lead Web Developer Intern** (Oct 2025), overseeing task allocation, code reviews, team coordination, and on-time project delivery.

Tech stacks used: HTML, CSS, JavaScript, Bootstrap 5, Tailwind CSS, Node.js, React, MongoDB

PROJECTS

CoursePulse: MOOC Feedback Mining System | [GitHub](#)

Since October 2025

- Designing an end-to-end NLP pipeline to process and analyze 10,000+ learner feedback records from MOOC reviews and discussion forums.
- Applying text preprocessing techniques—tokenization, stopword removal, lemmatization, and TF-IDF vectorization—to reduce noise by 40–60% and improve feature quality.
- Leveraging sentiment analysis and topic modeling to extract 5–8 dominant themes for structured interpretation of learner feedback trends.
- Organizing modular scripts for data cleaning, feature extraction, model training, and evaluation, improving preprocessing efficiency by ~30%.
- Generated actionable insights on learner sentiment and recurring issues, enabling trend identification across multiple courses.

Tech: Python, NumPy, Pandas, Scikit-Learn, Matplotlib, Seaborn, NLP Preprocessing

RoadCast-AI: AI-Powered Podcast Recommendation Chatbot | [GitHub](#)

April 2025

- Developed an AI chatbot that provides 10–15 podcast recommendations per user query using Gemini and ListenNotes APIs.
- Implemented Gemini-based prompt interpretation for 50+ input patterns, improving intent classification and recommendation accuracy by ~35%.
- Optimized ListenNotes API requests to retrieve data from a 2M+ podcast dataset, reducing average response time from 30–40 seconds to under 5 seconds.
- Added input validation, API error handling, and fallback logic to handle rate limits and network failures.
- Achieved faster response times, higher recommendation accuracy, and stable system behavior, resulting in a more reliable and efficient recommendation workflow.

Tech: HTML, CSS, JavaScript, Bootstrap, Node.js, Express.js, REST APIs

AbodeAway: Full-Stack Vacation Rental Platform | [GitHub](#)

October 2024

- Developed a full-stack web application enabling users to browse, filter, and book 100+ verified vacation properties based on location, price range, and availability.
- Integrated Mapbox APIs to display interactive, real-time property maps with dynamic markers, improving location-based navigation and property discovery by ~40%.
- Implemented a responsive front-end interface using Bootstrap 5 and EJS, ensuring cross-device compatibility and reducing bounce rate by ~25% through improved layout structure and usability.
- Designed RESTful backend APIs using Node.js and Express.js to manage listings, bookings, user data, and search operations with sub-150ms average response time.
- Configured MongoDB (Mongoose) schemas with validation and indexing to support reliable CRUD operations and improve database query performance.
- Delivered a scalable and user-friendly rental platform with optimized performance, reliable data handling, and improved user engagement.

Tech: HTML, CSS, JavaScript, Bootstrap 5, EJS, Node.js, Express.js, MongoDB (Mongoose)

TRAINING

C Programming Language – Live Summer Training | [CSE Pathshala](#)

June 2025 - July 2025

- Participated in a 35+ hour instructor-led live training program focused on foundational and intermediate C programming concepts with hands-on implementation.
- Covered key topics including modular programming, pointers, dynamic memory allocation, file handling, control structures, and debugging techniques.
- Practiced solving logic-based and algorithmic problems through guided lab sessions, structured assignments, and real-time coding exercises.
- Wrote and tested multiple small-scale C programs involving arrays, structures, pointers, and file operations to strengthen practical understanding.
- Improved code correctness, execution efficiency, and memory usage, reflected in consistent performance across assignments, quizzes, and the final assessment.

CERTIFICATES

Software Engineering: Implementation and Testing on Coursera | [Certificate](#)

May 2024

Meta Front-End Developer by Meta on Coursera | [Certificate](#)

March 2024

Crash Course on Python by Google on Coursera | [Certificate](#)

December 2023

EXTRA-CURRICULAR ACTIVITIES

Contributed to Zusasi Foundation's Field Survey & Data Collection Initiatives

June 2025

Completed a field-based internship with Zusasi Foundation, contributing 30+ hours to community surveys across multiple areas to assess children's access to education. Conducted household surveys, documented enrollment and attendance data, and helped spread awareness about the **Right to Education (RTE) Act**, informing families about educational rights and government provisions.

Participated in the Code-A-Haunt Web Hackathon organized by Coding Blocks LPU

February 2024

Participated in a time-bound web development hackathon where a responsive web application was designed and implemented within the given deadline. Contributed to front-end development and feature implementation while collaborating closely with team members under strict time constraints. Successfully **completed 100% of assigned tasks**, delivering a functional and responsive application by final submission.

EDUCATION

Lovely Professional University

Bachelor of Technology - Computer Science and Engineering; **CGPA: 5.31**

Phagwara, Punjab

August 2023 - Present

M. A. Pangal Anglo Junior College of Arts and Science

Intermediate - **Percentage: 89.83%**

Solapur, Maharashtra

April 2019 - March 2021

The Progressive Educational Society's Urdu High School

Matriculation; **Percentage: 74.00%**

Solapur, Maharashtra

April 2018 - March 2019