

Zeraiz Shabbir

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GitHub: [Zeraiz-Shabbir](#) • Website: [Portfolio](#)

EDUCATION

Georgia State University, Atlanta, GA
Bachelor of Science in Computer Science

Graduation: *May 2024*
GPA: *3.89/4.00*

RELEVANT TECHNICAL SKILLS

Computing Languages – Java, Python, C, Kotlin, Dart, Bash

Development Tools and Technologies – Firebase, Flutter, AWS EC2, Microsoft Azure, Android Studio, Apache Spark, Shell scripting, UNIX/Linux, Git, GitHub, Figma

Database Technologies – SQL, MySQL, SQLite, NoSQL, phpMyAdmin

Web Development – React.js, HTML, CSS, JavaScript, AJAX, PHP, XML

HONORS

President's List Georgia State University

Spring 2022, Summer 2023, Fall 2023, Spring 2024

Dean's List Georgia State University

Spring 2023

PROJECTS

React Portfolio Showcase

Sep 2024 – Jan 2025

- Developed a responsive portfolio using React.js and styled-components, enhancing user experience through best practices in component optimization and state management
- Implemented cookie storage for theme persistence, allowing users to maintain preferences across sessions, and utilized various libraries to ensure smooth interactions

Project Portfolio

Jan 2024 – May 2024

- Deployed a WordPress portfolio on AWS EC2, improving site performance by integrating phpMyAdmin for database management and optimizing plugin use
- Enhanced search functionality by developing a custom Ajax search plugin, enabling dynamic results without page refreshes for a smoother user experience

Tiny Task

Jan 2024 – May 2024

- Developed a task organizer app in Dart using Flutter by implementing Firebase for real-time task tracking
- Coordinated a 5-member Agile team, completing 4 sprints and managing version control with GitHub to ensure timely delivery within a strict deadline, achieving a 100% on-time delivery rate for sprint goals

Cyberbullying Detection Model

Jan 2024 – May 2024

- Developed a model in PySpark using the Naive Bayes algorithm to classify 47,000 tweets across six categories of cyberbullying, achieving 70.82% accuracy on a balanced dataset, successfully classifying over 32,000 tweets correctly
- Deployed the model on Azure for scalable cloud processing and utilized Apache Spark for handling large-scale data processing and analysis
- Created visualizations using Matplotlib to highlight trends in cyberbullying behavior, including word frequency analysis and sentiment trends, offering actionable insights for social media platforms

Budget Buddy

Aug 2023 – Dec 2023

- Built a financial tracking app in Java using SQLite to handle 500+ expense and income records by designing a personalized system for recurring transactions and achieving a 90% user satisfaction rating based on feedback
- Led a 3-member team to deliver the project on time by implementing a streamlined UI in Android Studio for smooth data input and user navigation

Meal Match

Jun 2023 – Aug 2023

- Developed a meal-planning app in Kotlin, integrating external APIs for real-time meal data and collaborating with 2 team members to deliver the project within 6 weeks
- Ensured smooth functionality across devices by optimizing the Android emulator and integrating API data efficiently

Donation Tracker

Jan 2020 – May 2020

- Automated donation tracking in school fundraisers for 700+ students across 20+ homerooms by building a MySQL database and integrating an Arduino input system, greatly improving data accuracy
- Enabled real-time donation updates by implementing an asynchronous server using an ESP8266 Wi-Fi chip, improving fundraising visibility and engagement by 75%, with over 200 real-time updates during campaigns