ALGER **DA COSTA**

Computer Science | algerdacosta02@gmail.com | 07440-774-711

**Education**

**University of bath**

Sept 2024 -Sept 2025

**Msc Computer Science**

• **Courses:** Software Engineering, Foundation of Computation, Reinforced Learning, Mobile & Pervasive System

**Goa College of Engineering** Sept 2020 -July 2024

Bachelor of Computer Science

**GPA:8.81**

• **Courses:** OOP in C++, Compilers, Modern Algorithms Design, Operating Systems, Data Structures, Data Management and Query Processing, Operating Systems, Ai, Computer Networks, Cloud Computing, Data Analytics, Compiler Design, IOT, Cryptography

**Professional Experience**

**Tangentia India Technologies Pvt. Ltd** Goa, India

Project Intern – Support Team June 2024 – Sep 2024

• Ensured a smooth onboarding process for the Liquor Control Board of Ontario’s grocery management site, resolving client issues with effective communication and customer service.

• Collaborated with the support team to manage customer service requests, displaying strong teamwork, communication, and multitasking abilities to deliver consistent, high-quality assistance throughout the project lifecycle.

• Adapted to dynamic client needs and consistently met deadlines, contributing as a dependable team player focused on exceptional service delivery.

**Nexocide Pvt. Ltd** Goa, India

Software Engineering Intern – Android Development Team July 2023 – Sep 2023

• Utilized Java, Kotlin, and Android Studio to develop feature-rich Android applications, optimizing UI/UX with XML layouts and Recycler Views.

• Leveraged Firebase services for efficient data handling, user authentication, and real-time notifications, demonstrating adaptability to diverse technical requirements.

• Worked collaboratively with team members using Git/Github for version control, fostering a cohesive team environment and enhancing communication and multitasking skills for efficient project execution.

**Projects**

**Mixr (DBMS-Based Music System and Analyzer)**

• Developed a dynamic music system and analyzer as part of a semester project, utilizing PHP, JavaScript, and database management techniques for web applications by implementing interactive UI elements and efficient data handling.

• Collaborated with a teammate to design and implement a dynamic music system, successfully resolving technical challenges through effective problem-solving, teamwork, and clear communication.

**Future Uses of Homomorphic Encryption**

• Explored advanced IT solutions by implementing homomorphic encryption techniques for facial recognition, encrypted database queries, and secure voting systems, showcasing a strong understanding of data privacy and security.

• Conducted research and development on applications of homomorphic encryption in sentiment analysis, and fingerprint authentication, displaying adaptability and innovative problem-solving in secure IT solutions.

• Utilized logistic regression and image filtering to enhance encrypted solutions, highlighting technical expertise in machine learning and data encryption.

**Skills**

Languages: C, C++, Python, JavaScript, PHP, CSS, JavaScript, HTML, Java/Kotlin

Technologies: MySQL, AWS, Git, Microsoft SEAL, TenSEAL, Scikit-Learn, TensorFlow, Flask, Django

**Other Experiences**

**Volunteer Work**

• Organized events for underprivileged children during Christmas with the local parish, fostering a positive community impact and developing leadership skills.

• Actively contributed as a member of the Computer Science Council, helping to organize festivals and technical events.

**Primark | Retail Associate**

• Developed customer service and adaptability by assisting a diverse clientele in a fast-paced retail environment, enhancing problem-solving and team collaboration skills.

**Certifications**

• Python Programming and Blockchain Design - NPTEL Certifications

• Public Speaking, Leadership, and Management Principles - NPTEL Certifications

**Hobbies & Interests**

**Sports and Activities**

• Represented at an international football tournament; continued to play competitively for a national club, showcasing resilience and teamwork.

• Committed to health and wellness, maintaining an active lifestyle to support both physical and mental fitness.

**Music**

• Passionate keyboard player, exploring various musical styles to foster creativity and relaxation.