ATHUL DAS

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**Summary**

Motivated and technically grounded **MCA student (2025–2027)** with a strong foundation in software development, web technologies, and data-driven problem solving. Skilled in **Python, Java, JavaScript, SQL/NoSQL databases, APIs, and RESTful design**, with hands-on experience in collaborative projects and hackathons. Possess a growing interest in **Cloud Computing and Artificial Intelligence**, aiming to build scalable, intelligent, and efficient systems. Experienced in using **version control systems (Git/GitHub)** and applying analytical thinking to real-world technical challenges. Currently designing an **automated project-building engine** to streamline software creation through structured architecture modeling. Known for adaptability, teamwork, and a results-oriented mindset, seeking to leverage these strengths in an entry-level role within a dynamic, innovation-focused technology environment.

**Education**

**Master of Computer Applications (MCA-pursuing)**  
*Lead College(Autonoumous) ,dhoni Palakkad, affiliated with Calicut University*  
2025 – 2027

**Bachelor of Computer Applications (BCA)**  
*Arafa College, Muvattupuzha affiliated with MG University , Kottayam*  
2022 – 2025

* Average CGPA: 7.9 (up to last declared semester)
* Final Semester SGPA: 8.21
* 0 backlogs | 100% course completion on time

### ****Technical Skills****

* **Programming Languages:**  
  Python (OOP, Flask), Java (Core), JavaScript (ES6+), C, C++
* **Web & Application Development:**  
  Bootstrap, Node.js, Express.js, Handlebars.js (HBS), RESTful API Design
* **Database Management:**  
  MySQL, MongoDB, Database Design & Query Optimization
* **Cloud, DevOps & Tools:**  
  Git, GitHub, VS Code, Postman, Linux Shell Scripting (Basic), JSON, API Testing
* **Software Engineering Concepts:**  
  Agile & Scrum Methodologies, MVC Architecture, Object-Oriented Design, CLI-based workflows
* **Emerging Technologies:**  
  AI/ML Fundamentals, Text-to-Speech (TTS) Systems, Automation Frameworks

**Projects**

**1. Customized Home Bakery Order System**  
*Tech Stack:* PHP, MySQL, JavaScript, Bootstrap

Developed a full-stack e-commerce web platform enabling 300+ users to connect with local bakers.

Implemented dynamic order customization, address-based filtering, and role-based dashboards for admins and sellers.

Built real-time order tracking and location-based logic to enhance operational efficiency.

**2. Story Listening App for Kids (Major Project)***Tech Stack:* Python (Flask), Node.js, Express.js, MongoDB, Coqui TTS, Handlebars.js

Designed a multi-platform storytelling application using voice cloning to personalize stories in parents’ voices.

Integrated Flask-based APIs for TTS processing and Node.js backend for web functionality.

Implemented multi-user management, secure file uploads, and audio streaming features.

Awarded 1st Prize in internal college tech expo for innovation in emotional AI-driven experiences.

**Certifications**

* **AWS** – Solutions Architecture Job Simulation, Forage *(Jul 2025)*  
  → Gained exposure to cloud architecture design, scalability planning, and infrastructure optimization tasks.
* **Tata Group** – Cybersecurity Analyst Job Simulation, Forage *(Mar 2024)*  
  → Simulated incident response, risk assessment, and security control implementation within an enterprise environment.

**Achievements & Competitions**

**Hackathons:**

* **Winner (2×)** – Inter-College Hackathons (2023–2024)  
  → Led multi-disciplinary teams to design **functional software prototypes** addressing real-world challenges.  
  → Implemented **AI-driven features and cloud integration** in winning solutions, recognized for innovation and scalability.

**Competitive Programming:**

* Secured top positions in **inter-college coding and debugging contests**, demonstrating **algorithmic thinking and efficient problem-solving**.
* Active participant in **online coding platforms** (HackerRank, LeetCode) with consistent performance across multiple challenges.