

ADITYA K MENON

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SUMMARY

Passionate Electronics and Communication Engineering student with strong foundational knowledge. Adept at applying theoretical knowledge to practical projects, with strong problem-solving skills and a collaborative mindset.

EDUCATION

B.Tech (Electronics and Communication Engineering) **2022-2026**

Amrita Vishwa Vidyapeetham, Bengaluru | CGPA: 7.22

PUC **2022**

BASE PU College, Bengaluru | Percentage: 81.4%

CBSE **2020**

Kensri School, Bengaluru | Percentage: 89.6%

PROJECTS

Student Result Management System (With Login & Admin Panel) **April 2025**

Built a web-based Student Result Management System with secure login and role-based access for admins and students. Implemented using HTML, CSS, JS, and Firebase for auth and Firestore for data. Includes authentication, access control, and full CRUD on student records.

Implementation of a Light-weight Cryptographic Algorithm on FPGA, using Verilog **April 2025**

Designed and implemented a high-speed, FPGA-based lightweight cryptographic accelerator using Verilog, optimizing performance for secure IoT applications. Utilized Xilinx Vivado software for real-time synthesis and implementation on Basys-3 FPGA board.

Data Cleaning, Preprocessing and Management of Employee Datasets **February 2025**

Cleaned, preprocessed, structured and analyzed employee data to enhance consistency and data organization. Improved data organization accessibility, contributing to more efficient data-driven decision-making. Focused on handling structured datasets utilizing data science skills.

WORK EXPERIENCE

Centre for Development of Telematics (C-DOT), Bengaluru **June 2025**

Student Intern | 5G Communication

Currently working as a student intern at C-DOT Bengaluru on implementing and testing 5G NR features using the OAI 5G platform, including modulation and coding schemes, RACH procedures, and MIMO configurations.

ADDITIONAL INFORMATION

- Technical Skills:** Python | HTML | CSS | Data Structures and Algorithms | Computer Networking | Verilog Coding | Pandas (Python) | Git / GitHub
- Soft Skills:** Adaptability | Critical Thinking | Problem-Solving and Analytical Thinking | Collaborative | Fast Learner | Leadership
- Certifications:** Data Structures and Algorithms (GeeksForGeeks) | The Complete Python Bootcamp Course (Udemy)
- Languages:** English | Tamil | Hindi | Malayalam | Kannada