

Abin Madathil

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ABOUT ME

B.Tech in Computer Science graduate with a strong proficiency in programming languages such as Java, C++, and Python. Experienced in software development, web technologies, database management, and networking. Skilled in problem-solving, teamwork, and communication. Solid foundation in data structures, algorithms, and operating systems. Adaptable to new technologies.

EDUCATION

Govt. Rajiv Gandhi Institute of Technology <i>Bachelor of Technology in Computer Science, Cumulative GPA: 8.25/10</i>	Kottayam, Kerala <i>Aug. 2019 – Jul. 2023</i>
Holy Cross HSS <i>Computer Science, Percentage: 94.91/100</i>	Kottayam, Kerala <i>Jul. 2016 – May. 2018</i>

PROJECTS

Sleep Apnea Detection <ul style="list-style-type: none">Engineered a Django web application to collect ECG data from smartwatches, preprocess it using NumPy and SciPy, and utilize Scikit-learn for a machine learning model detecting sleep apnea patterns.Designed a user-friendly interface with HTML, CSS, and JavaScript in Django, enabling easy access to personalized reports generated from the analysis, promoting better awareness of sleep health.Collaborated cross-functionally, merging data preprocessing (NumPy, SciPy), machine learning (Scikit-learn), and user experience design (HTML, CSS, JavaScript) skills for a tech-driven approach to address a critical health concern.	Jan 2023 – Jul 2023
Remote Command Execution Tools <i>Python</i> <ul style="list-style-type: none">The remote command execution tools, single-client and multi-client, empower users to effortlessly execute commands on remote clients.SingleClient - Created a single-client tool for direct one-to-one interaction with a remote machine, simplifying command execution.Multi-client is an extension of single-client, and has extended functionality to support multiple clients, enabling concurrent command execution on multiple remote machines, enhancing productivity in networked environments.	Aug 2023 – Sept 2023
Tic-Tac-Toe Game Project <i>Java, Java Swing</i> <ul style="list-style-type: none">Developed a Java-based Tic-Tac-Toe game with Java Swing GUI.Enabled players to input their names, track wins, and detect ties.Implemented an easy game reset option for enhanced user experience.	Sept 2023 – Present

TECHNICAL PROFICIENCIES

Java (*Advanced*), Python (*Advanced*), C (*Intermediate*), C++ (*Intermediate*), Linux (*Intermediate*), Oracle SQL (*Intermediate*), HTML/CSS (*Beginner*), Docker (*Beginner*), Kubernetes (*Beginner*)

CERTIFICATIONS & TRAINING

- Programming in Python Certificate by University of Michigan (Coursera)
- Programming in C (Sololearn)
- Java Basics (HackerRank)

EXTRA CURRICULAR ACTIVITIES

- Skill Club RIT - CSE Department Representative
- IEDC Member