Dharam Karam Road, Ameerpet
Hyderabad, Telangana - 500016

ADARSH VARSHNEY

(+91) 81799 84925
adarshvarshney1104@gmail.com

HTTPS://ADARSHDOTEXE.GITHUB.IO/ ☐   **HTTPS://WWW.LINKEDIN.COM/IN/ADARSHVARSHNEY/** ☐

EXPERIENCE

Software Engineer, Intern   **MRM Procom Pvt. Ltd.**   **May 2022 – July 2022**
Procom Smart Devices Application
- Connected to 4 different smart devices using a common API to fetch JSON data over Wi-Fi.
- Implemented report generation and logging which helped speed up Research and Development which was finished with 40% time left before deadline to implement additional features.
- Increased compatible devices in market by additional 20% by adding backwards compatibility in connectivity API for android versions 8.0+.

Teaching Assistant   **National Institute of Technology Tadepalligudem**
- Improved grades by over 30% on average by teaching Data Structures and Algorithms and practicing Competitive Coding for CS201 (Data Structures and Algorithms) Courses for juniors.
- Helped clear doubts with a feedback rating of 4.3/5 by discussing approaches and ideas during and after lab sessions.
- Reviewed and graded assignment submissions of 60+ students every week for a total of 12 weeks.

EDUCATION

National Institute of Technology, Tadepalligudem   **2020 –2024**
- B.Tech (Bachelor of Technology) in Computer Science and Engineering with Minor in Artificial Intelligence for Signal Processing. CGPA: 8.69/10.
- Coursework: Algorithmic Thinking; Computer Organization and Architecture; Data Structures and Algorithms; Artificial Intelligence; Design and Analysis of Algorithms; Database Management Systems, Operating Systems, Theory and Design of Programming Languages, UNIX Tools and Shell Scripting, Object Oriented Programming, Corporate Communication.
- Research Help: Helped a PhD Scholar on her publication on Workload Balancing in the Cloud by setting up TPCW and running benchmark traces and visualizing data reports

TECHNICAL EXPERIENCE

Projects
- **Java Games** ☐. Implemented classic videogames such as snakes and tetris.
  Language and Tech: Java, Swing, AWT.
- **Mest Friend** ☐. Mess Food and Expenses Management and automation android application reduces prodigality according to test deployment and proposed to be used by the Institute Mess Contractor.
  Language and Tools: Java, Firestore, Android, Gradle, Material UI.
- **XV6-Modifications** ☐. Added system calls, scheduling algorithms, copy on write and more on a re-implementation of Unix-V6 written in C. Language and Tools: C, Assembly, Qemu, Make.

ADDITIONAL EXPERIENCE AND AWARDS
- **IEEEXtreme 290/2992:** Ranked 31 in the country in 24-hour international coding competition with over 2900 participants with questions from top academics around the globe.
- **Certificate of Recommendation:** Only Intern Awarded the Certificate for Work as an Intern out of 20+ Peers both at MRM Procom and Testright Nanosystems Pvt. Ltd.
- **Over 100 Hours of Online Lectures and Certification Courses.** Topics Covered: Competitive Coding, Cloud Computing, Nvidia Deep Learning Introduction.

Languages and Technologies
- C++; C; Java; Python; (5000 + Lines)
- Haskell; Prolog; Javascript; Algol; CSS; HTML; SQL; (1000-5000 Lines)
- Visual Studio; Eclipse; Android Studio; Windows and Linux (Baremetal PopOS, Ubuntu, Mint, Arch); MS Office