

## MD NOORUL AIN ASHRAFI

Electronics Engineer

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Adaptable mind-set additionally with proven critical thinking, Team management, and communication skills with a demonstrated history of working in the information technology and services industry. Skilled in Linux System and Knowledge of all four types of programming techniques.

### PROFESSIONAL EXPERIENCE

#### Telecom Field Engineer

STCS Pvt.Ltd (Delhi,India) | Aug 2023-Present

- Responsible for providing on-site technical service and support for customers and installers.
- Conducted designed and tested Quality Assurance evaluations on devices and services for pre-sale consultations.
- Utilized Mu Dynamics SmartBits and BreakingPoint Systems to perform telecom/network system tests.
- Maintained and Installed of Ciena5130 ,Ciena3928 and Ciena6500 Mux.
- Advised Cable Television department of design issues within the engineering aspects of field-installed products.

#### IOT Summer Intern

Online Mode (Udemy) Sep 2022-Oct 2022

BUILD IOT Things from Scratch to Market.

- Configured and maintained 10T devices and sensors, ensuring seamless data collection and transmission.
- Collaborated with cross-functional teams to troubleshoot and resolve 10T system issues.
- Participated in data analysis and visualization, helping to extract meaningful insights from 10T data.
- Contributed to the optimization of 10T security protocols, ensuring data integrity and privacy.
- Assisted in developing 10T applications and firmware using Arduino IDE with programming languages.

### TECHNICAL SKILLS

- Operating System: Ubuntu, Linux, Windows.
- Tools: PostgreSQL, Visual Studio Code, PyCharm, Proteus.
- Electronics: Network Hardware, Communication Systems, System Designing, Circuit Designing.
- Version Control: Git, GitHub.
- Programming/ Language: C, C++, Python, SQL, JavaScript, HTML/CSS.
- Linear Data Structures: Linked list, Stack, Queue, Searching and Sorting.

- Framework: Bootstrap, Tailwind Css.
- Content Management Systems: WordPress, MsExcel, MsWord, Power Point.

## PERSONAL PROJECTS

Advanced Highway Monitoring System with IoT and solar power (Final year Project)

- Tech Involved —C/C++, Micro Python.
- Implemented solar panels for uninterrupted data collection, enhanced Wi-Fi connectivity for safety, real-time traffic data, and weather updates. Enabled data-driven traffic management while reducing carbon footprint through renewable energy.

Hostel Reservation System (DBMS Project)

- Tech Involved --Linux, SQL
- Streamlined hotel reservations, elevating booking process. Implemented user-friendly online platform, improving customer experience. Optimized revenue with real-time data monitoring. Mastered database design and SQL.

ATM Machine Programming (C++ programming Project)

- Tech Involved — C++
- Created secure ATM simulation with robust user authentication and data integrity. Implemented user-friendly menu system.

Walking Humanoid Robot Using Arduino (IOT Project)

- Tech Involved —Arduino IDE, C/C++
- Built remote-controlled humanoid robot, showcasing IoT, Arduino, and hardware expertise. Demonstrated innovation in custom component development, contributing to robotics and IOT.

## EDUCATION

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B. TECH ELECTRONICS AND COMMUNICATION ENGINEERING (Lucknow, Uttar Pradesh India)

[Integral University Lucknow] 2019-2023