ATUL SHARMA

New Delhi   atul.sharma.123647@gmail.com   8953555297   myPortfolio.com

in atulsharma2004Linkedin   Atulsharma2004Github

Career Objective

Innovative Electronics and Communication Engineering student with a passion for applying theoretical knowledge to real-world projects. Committed to continuous learning and collaborating with dynamic teams to push technological boundaries.

Education

Feroze Gandhi Institute of Engineering and Technology   *Sept 2000 – May 2005*
B.Tech in Electronics and Communication Engineering

- Percentage: 80.08 (FinalResult ↗)

Renaissance Academy   *Apr 2018 – June 2020*
Intermediate with Physics, Chemistry and Mathematics

- Percentage: 71.4 (FinalResult ↗)

Navjeevan English School   *Apr 2017 – June 2018*
High School with Mathematics

- Percentage: 77.00 (FinalResult ↗)

Experience

Software Engineer   *Jasola, New Delhi*
Mo Magic Technologies Pvt. Ltd.   *July 2024 – Present...*

- I have Developed and deployed IoT applications, leveraging BLE, Wi-Fi, and low-power communication protocols to connect devices and streamline data collection.
- Designed and maintained backend systems for IoT data processing, including data pipelines and server integration, to ensure reliable data collection and storage

Software Development Intern   *Jaipur, Rajsthan*
Synthetico.ai Pvt. Ltd.   *Jan 2024 – Mar 2024*

- As a Software Development Intern at Synthetico.ai Pvt. Ltd., I have worked closely with our experienced development team and played a vital role in designing, building, and deploying scalable web applications
- Two websites developed by me are live and in use are: AryaInfra Constructions and Invest In Franchise
- My key responsibilities were frontend development, backend development, database integration, documentation and git push and pull.

Projects

Serial-IMEI Writing Tool   *2024*

- Developed a Serial-IMEI Writing Tool in Python, integrating pyserial for serial communication, tkinter for GUI, and pyinstaller for standalone deployment, enhancing the IMEI programming process.
- Integrated barcode scanner, USB-to-TTL adapter, and Zig fixture for seamless hardware interaction and Incorporated Excel-based validation for accurate IMEI-Serial matching, optimizing production accuracy and efficiency.

Dual Axis Solar Tracking System   *2023-2024*

- This project involves tracking the sun's position using a microcontroller and LDR sensors to maximize solar panel output. By keeping the solar panel perpendicular to the sun throughout the day, energy generation is optimized.
- This simple mechanism improves efficiency, making it impactful even with a 1 percent increase in power production.

Real Estate Website MERN   *Estate-website-MERN* ↗

- ○ Developed a responsive full-stack Real Estate website using the MERN stack with user authentication, property listings, and search functionalities.
- ○ Built with React, Node.js, Express, and MongoDB for seamless user and admin interfaces.

Technologies

Hardware Interface Skills: Communication Protocols, Peripherals, Embedded Systems, Microcontrollers

Technical Languages and Dev. Tools: C, C++, Python, Embedded C, C Basics, Networking, IoT Protocols, Development Platforms like IAR Embedded Workbench and Testing and Debugging Tools like SSCOM

Software Development Technologies: React JS, Tailwind CSS, Figma, WordPress, Node Js, Express Js, PHP Basics, Python, Dot Net Basics, MongoDB, SQL, SQLLite

ACHIVEMENTS and EXTRA CURRICULAM ACTIVITY

- ○ Participated in International 2.0 Technothon '23 (Code for Innovation) organized by Galgotias Collage of Engineering Technology
- ○ Successfully coordinated 'Farewell-2023'- The Annual Farewell of FGIET, Raebareli.
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