

MD AMMAR

ASSOCIATE DEVELOPER
PCB SCHEMATIC DESIGN

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PROFILE

Dedicated and detail-oriented PCB Schematic Design Engineer with 2 years of hands-on experience in the electronics industry. Proven expertise in designing and optimizing printed circuit boards (PCBs) for diverse applications. Adept at hardware debugging, troubleshooting, and collaborating with cross-functional teams to deliver high-quality electronic solutions.

SKILLS

- PCB DESIGN
- SCHEMATIC DESIGN
- HARDWARE DEBUGGING
- SCHEMATIC CAPTURE
- PROTOTYPING & TESTING
- COMPONENT SELECTION
- **ALTIUM DESIGNER v.20**
- CIRCUIT ANALYSIS
- REVISION CONTROL
- BOARD BRING-UP
- TECHNICAL DOCUMENTATION
- GOOGLE SHEETS
- ERP
- BOM CREATION
- ITEM CODE CREATION

EXPERIENCE

Associate Developer - PCB Schematic Design (R&D)

A Paul Software Systems Pvt. Ltd. – New Delhi (Dec 2021 - Present)

- Developed detailed schematics for various electronic devices, ensuring functionality and adherence to project specifications, using **Renesas, NXP, PIC32, STM** etc.
- Collaborated with cross-functional teams to understand design requirements and provided technical expertise throughout the design and development process.
- Conducted hardware debugging and troubleshooting to identify and resolve issues, ensuring the reliability and performance of the final products.
- Utilized industry-standard design tools, including Altium Designer, to create PCB layouts and generate manufacturing files.
- Implemented design changes based on feedback from testing and prototyping phases, optimizing circuit performance.

- Participated in hardware debugging activities, diagnosing and resolving issues to meet project deadlines.
- Collaborated with the testing team to perform validation tests on prototypes, ensuring designs met performance and reliability requirements.
- Contributed to the selection and sourcing of electronic components based on project specifications.

PERSONAL SKILLS

- Verbal Communication
- Written Communication
- Presentation Skills
- Time Management
- Leadership
- Teamwork
- Client Relationship
- Problem Solving

EDUCATION

B.Tech – Electrical Engineering – AKTU Lucknow – 7.49 CGPA

Senior Secondary Education – BSEB Patna – 60%

Secondary Education – CBSE Delhi – 7.8 CGPA

LANGAUGES

English - Professional

Hindi – Native

CERTIFICATIONS

PLC & SCADA – One month training at RVIT - Bijnor

EXTRACURRICULAR ACTIVITIES

Worked as Science & English teacher – 2016-18

Hosted annual fest in college – 2019-20