SHAIK MOULALI

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LinkedIn Profile | GitHubProfile

SUMMARY

Aspiring Junior Software Tester with knowledge of web development, APIs, and databases. Strong analytical mindset with hands-on experience in application validation and debugging to ensure high-quality software delivery..

SKILLS

- **Programming:** C, Python, Java
- **Web Development:** HTML, CSS, Node.js, REST APIs,
- **Databases & Tools:** Git, GitHub, Postman, SEO,Selenium,manual and automation testing
- **Embedded Systems:** Microcontroller Architecture, PCB Testing, Circuit Design
- **Soft Skills:** Problem Solving, Communication, Leadership, Adaptability

PROJECTS

AI-Based Competitive Exam Mock Test Platform (MVP):
- Planned and designed the **UI/UX flow for mock tests, results,** and analysis dashboards.
- Structured **aptitude, reasoning, and mathematics topics** with individual mock tests for each topic.
- Added AI-based feedback system to recommend re-tests and focus areas.

AI-Powered Resume Builder & ATS Optimization Platform:
- Built the resume builder workflow including templates, preview, edit, and export features.
- Designed and integrated backend **APIs for authentication,** resume storage, ATS analysis, and AI tools**.**
- Implemented AI-driven resume scoring and content suggestions to **improve resume quality and ATS compatibility.**

Smart Helmet for Coal Mine Workers (Awarded 3rd Prize, State-Level Project Expo 2025):
- Built an IoT-enabled helmet that monitors toxic gases, temperature, and humidity in real time.
- **Integrated GPS/RF tracking** for emergency response and worker safety.
- Tools: Arduino, Embedded C, IoT Sensors.

PROFESSIONAL EXPERIENCE

Embedded Systems Developer Intern (Feb 2021 – Dec 2022):
- Optimized IoT device firmware, reducing power consumption by 20%.
- Performed PCB testing and functional validation, ensuring 95% accuracy in execution.

Pre-fabricated Hardware Circuit Designer (Jul 2022 – Jan 2023):
- Conducted functional and circuit testing to ensure reliability and compliance.
- Documented circuit workflows and collaborated with project teams for successful execution.

EDUCATION

- **Bachelor of Technology (B.Tech)**, Electronics and Communication Engineering
- P.B.R. Visvodaya Institute of Technology and Science (PBR VITS), Kavali
- Affiliated to Jawaharlal Nehru Technological University Anantapur (JNTUA) 2023 – 2023 (Expected)
- **Diploma** in Electronics and Communication Engineering
- Government Polytechnic College, Kalyandurgam (2020 – 2023)

ADDITIONAL INFORMATION

- **Languages:** English,Hindi,Telugu
- **Awards/Activities:** Secured 3rd Prize at the State Level Project Expo (2025) held at QISE College, Ongole, for developing a Smart Helmet for Coal Mine Workers.
- Participated in a **National Level Hackathon at VIT Chennai (2025)**, creating an Assistive Device for the Deaf and Dumb using AI technologies and Raspberry Pi.