Rizwan N

Associate Software Engineer | Python & C Developer

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PROFESSIONAL SUMMARY

High-performing Computer Science graduate with hands-on experience in **Python automation, C-based system logic, and backend development**. Proven track record of building end-to-end automation tools, managing databases, and optimizing web performance. Seeking to leverage strong debugging and problem-solving skills in an Associate Software Engineer or Developer role

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EXPERIENCE

SEO Executive   04/2025 – Present
Cyberfox Solutions   Bangalore, India

- Built **Python automation tools** for backlink validation and SERP rank tracking
- Developed multi-page metadata crawler for technical SEO audits
- Automated **GA4** and **Search Console** reporting workflows using data processing scripts
- Implemented rule-based blog SEO audit system
- Reduced manual SEO reporting workload through scripting and batch processing
- Generated structured SEO performance datasets for optimization decisions

Web Developer Intern   08/2024 – 02/2025
Cyberfox Solutions   Kochi, India

- Developed and customized **WordPress** websites based on client functional requirements
- Implemented responsive UI components using **HTML, CSS, and JavaScript**
- Configured plugins, improved site performance, and prepared sites for deployment
- Coordinated with SEO team to implement technical optimizations and analytics integrations

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EDUCATION

B. Tech in Computer Science and Engineering   2020 – 2024
College of Engineering and Management Punnapra   Alappuzha, India

- College Topper of 2020-24 Batch
- CGPA: 8.78

Higher Secondary Education (Science Stream)   2018 – 2020
G.H.S.S Quilon West   Kollam, India

- Percentage: 92.8% (Distinction)

PROJECTS

Al Guardian: A Mental Health Chatbot
- Developed an NLP-based chatbot using **Python, TensorFlow, and Flask** for emotion detection and contextual response generation
- Designed **REST API** endpoints to handle user input, session flow, and chatbot responses
- Implemented intent classification and emotion prediction using trained ML models
- Integrated **MySQL** database to store conversation logs and interaction history
- Exposed backend APIs for frontend or client-side integration

Automated Naukri Job Scraper & Auto-Apply Bot
- Built an end-to-end **Python automation system** using **Selenium WebDriver** to scrape job listings, filter relevant roles, and auto-submit applications
- Implemented retry logic, redirect handling, and dynamic form validation for reliable cross-site execution
- Automated interaction with JavaScript-driven pages using browser automation and DOM element control
- Integrated **Google Sheets API** for real-time application tracking and status logging

Al Mouse: Hand Gesture-Based Mouse Control
- Built a real-time hand gesture control system using **Python, OpenCV, and MediaPipe**
- Implemented hand landmark detection to map finger movements to cursor actions
- Automated mouse control functions using **PyAutoGUI** for click, move, and scroll operations
- Optimized frame processing pipeline for responsive real-time interaction

Railway Reservation System (DBMS Project)
- Developed a database-driven reservation and cancellation system using **Java** and **MySQL**
- Implemented backend booking logic, record retrieval, and seat allocation workflows
- Designed relational database schema and query operations for ticket management
- Built a simple user interface connected to backend transaction processing

TECHNICAL SKILLS

Programming Languages
Python, C, Java

Web Technologies
HTML, CSS, JavaScript, Flask, API Integration,

Database
MySQL

Tools
Selenium, Git, GitHub, VS Code

Concepts
OOP, Automation, Debugging, API Integration

CERTIFICATIONS

Al Mastery Program   05/2025 – 12/2025
Be10x
- Completed structured training in AI-assisted development, automation workflows, and data tools
- Covered Python with AI tools, SQL, Power BI, AI-powered web/app development, and automation platforms
- Applied AI-assisted techniques for productivity, data handling, and technical workflow optimization