Priyanshu Parashar

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Education

Thapar Institute of Engineering and Technology, Punjab — Jul 2024 – Present
B.E. in Computer Science and Engineering — CGPA: 7.1
Amity University, Uttar Pradesh — Aug 2021 – Mar 2024
Diploma in Electronics Engineering — CGPA: 8.86

Experience

Quality Assurance Intern — Jan 2024 – Jul 2024
Lava International Ltd., Noida
- Tested smartphone modules and tracked bugs in JIRA, improving release quality by **20%**.
- Expanded test coverage by **25%**, reducing defect leakage to UAT by **15–20%**.
- Reported critical bugs early, saving developer debugging time and accelerating release cycles.

IT Infrastructure Intern — Aug 2023 – Oct 2023
Sky IT Infratech, New Delhi
- Assisted in managing networking equipment and UPS systems, reducing downtime by **15%**.
- Improved mean-time-to-recovery (MTTR) by **20–25%** through faster troubleshooting.
- Collaborated with engineers on infrastructure upgrades, strengthening overall system security.

Projects

AI-Based Resume Screening (Python, NLTK, TF-IDF, Streamlit)
- Built an NLP-powered resume-job matching system using TF-IDF + cosine similarity.
- Reduced manual shortlisting effort by **60%**, improving match accuracy by **15–20%**.

Smart Irrigation with Rainwater Detector (IoT)
- Automated irrigation controller that reduced water usage by **30%**.
- Integrated soil moisture & rain sensors, improving irrigation efficiency by **25%**.

Rainwater Detector System (Sensors)
- Designed an early-warning alert system for flood prevention in agriculture.
- Automated alerts reduced manual inspection effort by **60%**.

Lost & Found DBMS (SQL, PL/SQL)
- Implemented relational schema & "AutoMatchItems" procedure, speeding match retrieval by **70%**.
- Improved match discovery by **35–40%** compared to manual searches.

Skills

Programming: Python, C++, C, SQL
Libraries: NumPy, Pandas, Scikit-Learn, NLTK, Matplotlib, PyPDF2
Databases: MySQL, PostgreSQL (Basics)
Tools: Google Colab, Arduino IDE, JIRA, Keil µVision, MS Office
Core: Data Structures & Algorithms, OOP, QA Testing, DBMS, Embedded Systems, IoT

Certifications

Coding in Jupyter Notebook for Object Detection Using Pre-Trained YOLO Model (Amity, 2024)
Machine Learning Workshop (IIT Kanpur, 2023)

Languages

English (Fluent), Hindi (Fluent), French (Elementary)