MANDEEP KC

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PROFILE SUMMARY

Motivated and detail-oriented Computer Science undergraduate with strong academic performance and hands-on experience in manual testing, regression testing, and mobile/web application testing. Proven ability to develop and execute test cases, report bugs, and collaborate with cross-functional teams to ensure product quality. Enthusiastic about software quality and committed to continuous learning in QA methodologies and tools. Strong foundational understanding of software development life cycle (SDLC) and software testing life cycle (STLC).

EDUCATION

Vellore Institute of Technology, Vellore   Vellore, India
Bachelor's in Computer Science Engineering   2021-2025
CGPA: 8.70 [10 scale, 7 semesters]

Bluebird Secondary School and College   Kumaripati, Nepal
High School (+2)   2017-2019
CGPA: 3.41 [4 scale]

PROJECTS AND INTERNSHIPS

PROJECTS

- **Diabetic Retinopathy (DR) Detection System**
  Capstone Project | Image Processing & Deep Learning
    - Designed and implemented a deep learning-based system to detect diabetic retinopathy from retinal images.
    - Used CNN architecture with image preprocessing (noise reduction, contrast enhancement) to improve model accuracy.
    - Achieved ~85% classification accuracy on test data.

- **Generating Live English Phrases to Hindi Using NLP and Machine Learning**
  Pre-Final Year Project | NLP, Speech Recognition & Language Translation
    - Built a system that captures live English voice input, transcribes it using speech-to-text techniques, and translates it into Hindi using NLP and machine learning algorithms.
    - Integrated Google Speech Recognition API with PyAudio to capture and transcribe voice with high accuracy and low latency.
    - Contributed to the speech processing, language translation, and output rendering modules.

INTERNSHIPS

- **Quality Assurance Engineer**   October 2023 - March 2024
  App Technologies Pvt, Ltd, Nepal
    - Executed manual testing across mobile and web applications.
    - Designed, documented, and maintained detailed test cases.
    - Performed regression, functional, and exploratory testing.
    - Reported bugs and worked closely with developers for issue resolution.
    - Participated in QA team meetings and sprint reviews.

SKILLS

TECHNICAL

- **Testing Tools:** Manual Testing, Regression Testing, Mobile/Web Testing
- **QA Concepts:** STLC, Bug Reporting, Test Case Design, Test Planning
- **Programming Basics:** HTML, CSS, JavaScript, C, C++, Java
- **Tools & Technologies:** Git/GitHub, Basic SQL
- **Learning:** .NET Framework and Testing Automation

NON - TECHNICAL

- Problem Solving
- Attention to details
- Time Management
- Communication and teamwork
- Quick Learner
- Adaptability

LANGUAGE PROFICIENCY

- Fluent: English, Nepali, Hindi
- Basic: Spanish

ACHIEVEMENTS

- Scholar at COMPEX 2021 by Indian Embasy