

# Kazal Chandra Barman



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## Professional Summary

Seasoned AI Test Engineer with over 5 years of experience specializing in deep learning, computer vision, and natural language processing. Proven track record of leading teams, developing test strategies, and enhancing software quality through automation and comprehensive testing protocols. Adept at Agile methodologies and continuous integration/continuous deployment (CI/CD) practices.

## Education

- **Begum Rokeya University** Rangpur, Bangladesh  
*Bachelor of Engineering (BE), Computer Science and Engineering* 2012 - 2016
- **Collectorate School and College** Rangpur, Bangladesh  
*HSC, Science* 2009 - 2011

## Professional Experience

- **Next Solution Lab** Dhaka, Bangladesh  
*Lead AI Test Engineer* March 2022 - Present
  - Spearhead a team of AI test engineers, developing and executing robust test strategies for AI-based products, ensuring high-quality deliverables across machine learning, NLP, and computer vision projects.
  - Collaborate with cross-functional teams to define test requirements and craft comprehensive test plans.
  - Implement automated testing frameworks with tools like Cypress and Selenium, improving testing efficiency and reducing manual efforts.
  - Mentor junior QA engineers, advocating best practices in software testing and quality assurance.
  - Lead Agile ceremonies including sprint planning and retrospectives to boost team productivity and product quality.
  - Contribute to internal documentation and knowledge-sharing to promote continuous improvement.

- Next Solution Lab** Dhaka, Bangladesh  
*AI Test Engineer* February 2021 - February 2022
  - Designed and executed manual and automated test cases for AI applications, ensuring model accuracy and reliability.
  - Conducted functional, regression, and performance testing, identifying defects and documenting findings.
  - Collaborated with AI engineers and data scientists to validate NLP and computer vision model performance.
  - Contributed to automation processes, writing Python test scripts and integrating them into CI/CD pipelines.
  - Participated in stand-ups and sprint planning, providing input on test coverage and risk assessment.
  - Prepared test reports and communicated results to stakeholders.
- Next Solution Lab** Dhaka, Bangladesh  
*AI Project Coordinator* February 2020 - February 2021
  - Coordinated AI projects, including the development and testing of computer vision and NLP systems.
  - Engaged in test strategy preparation, execution, and bug tracking.
- Semantics Lab** Rangpur, Bangladesh  
*Artificial Intelligence Engineer* August 2018 - December 2019
  - Worked on AI projects focusing on computer vision and NLP, including production-level testing and deep learning research.
- Begum Rokeya University** Rangpur, Bangladesh  
*Research Assistant* November 2016 - August 2018
  - Conducted research in General Purpose AI, deep learning, voice recognition, and computer vision.
  - Supported AI research and development projects.
- Muslim Aid Institute of Technology** Rangpur, Bangladesh  
*Part-Time Instructor* December 2015 - August 2018
  - Instructed courses in web design and development.
- Future IT Solutions** Rangpur, Bangladesh  
*Junior PHP Programmer* September 2015 - March 2016
  - Developed user-friendly web applications.

## Certifications

- Google Project Management: Professional Certificate [Cousera]
- Web Scraping with Python + BeautifulSoup [Cousera]
- Front End Development Libraries [FreeCodeCamp]
- Python for Data Science and Machine Learning [Cousera]

## Skills

- **Software Quality Assurance:**

- Test strategy preparation, test plan development, and execution across various protocols including BlackBox, Whitebox, functional, GUI, and performance and API testing.
- Proficient in defect tracking, root cause analysis, and managing test cycles.
- Experience with test automation frameworks like Cypress, Selenium, JUnit, Postman, PyTest.

- **Agile Methodologies:**

- Understanding and application of Agile/Scrum processes, including sprint planning, daily stand-ups, and retrospectives.
- Collaboration with cross-functional teams to ensure comprehensive test coverage and product quality.

- **Programming and Automation:**

- Proficient in Python, Java, and JavaScript for test automation and data analysis.
- Experience with version control systems like Git and Bitbucket.
- Familiar with automation tools like Postman and JMeter.

- **Artificial Intelligence and Machine Learning:**

- Experience in deep learning, computer vision, and NLP with a focus on AI product testing.
- Developing and testing AI models to ensure robustness and reliability.

- **Web Development:**

- Solid foundation in front-end technologies and PHP, with experience in building and maintaining web applications.

- **Communication and Leadership:**

- Excellent communication skills with the ability to explain technical concepts to various stakeholders.
- Proven leadership in AI research and development projects.

- **Continuous Learning and Adaptability:**

- Commitment to staying updated with industry trends in software quality assurance, AI/ML, and web development.
- Ability to adapt quickly to new challenges and technologies.