

Debakar Roy

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[github](#) | [linkedin](#) | [blog](#)

EXPERIENCE

Intel Corporation

August 2022 - Present

Senior Software Engineer

Karnataka, IN

- Architected and maintained test automation frameworks, resulting in \$1M savings by prioritizing critical bugs and enabling off-hours runs, boosting efficiency.
- Engineered scalable microservices solutions with RESTful APIs, optimizing execution across 1000+ systems, significantly improving scalability and utilization.
- Standardized CI/CD pipelines across the organization using Jenkins shared libraries and agent templates, reducing new project setup time to 5 minutes and fostering rapid development cycles.
- Led AI productivity initiatives, applying AI in code generation, documentation, and more, boosting productivity by 30%.
- Delivered Python training to 1200+ employees, saving \$1.2M and promoting continuous learning.
- Tech lead for 4+ annual projects, guiding 20+ engineers towards technical excellence and goal alignment.
- Continuously review and maintain the main codebase, enforcing coding standards and best practices.

Intel Corporation

August 2019 - August 2022

Software Engineer

Karnataka, IN

- Pioneered test content automation across 6+ domains, including AI and Power Management, for Windows Functional Validation, automating over 1200 test cases, which constituted 15% of the manual test plan.
- Was instrumental in overseeing a distributed codebase with contributions from 50+ developers, ensuring high code quality and consistency.
- Established an efficient CI/CD pipeline with industry-standard DevOps tools, reducing deployment times by 20%, increasing deployment frequency by 3x, and enhancing development efficiency across 4+ projects.
- Led a 30-member development team's technical ramp-up, creating 40+ documentation guides, which cut project onboarding time by 50% and boosted knowledge sharing efficiency by 40%.

Intel Corporation

July 2018 - August 2019

Undergrade Intern Technical

Karnataka, IN

- Developed a Python-based automation framework for RF performance and compliance automation.
- Leveraged Git, Intel XMM modems, Python, PyCharm IDE, CMW, and Anritsu Wideband Radio Communication Tester.

EDUCATION

Bachelor of Technology, Computer Science

August 2015 - July 2019

Siliguri Institute of Technology, 9.12 DGPA

West Bengal, IN

SKILLS

Programming Languages	Experienced: Python Familiar: Rust Bash C++ JavaScript
Software Development	Programming Paradigms Design Patterns Agile methodologies Git REST CLI CI/CD
Frameworks & Libraries	FastAPI Flask Vue Pandas Selenium Playwright Poetry HUGO
DevOps	Jenkins Kubernetes Docker CloudFoundry Rancher Terraform
Database Technologies	Experienced: MongoDB Redis
Languages	Native: Hindi Fluent: English Beginner: Japanese Korean Mandarin

PROJECTS

kodekloud-downloader

April 2023

Download Manager for KodeKloud

[Source](#)

- Developed a download manager for KodeKloud with features for downloading video lessons and quizzes.

Flappy NEAT

February 2018

NeuroEvolution Game

[Source](#)

- Implemented a Flappy Bird game using the NeuroEvolution of Augmenting Topologies algorithm.

kisskh-dl

July 2022

CDrama/KDrama Downloader

[Source](#)

- Created a command-line tool for downloading and decrypting shows from kisskh.co.

Myanimelist Data Set Creator

February 2018

Anime Data Parser

[Source](#)

- Created a tool for parsing and storing myanimelist.net data.

OPEN SOURCE CONTRIBUTIONS

- Contributed to various open source projects, enhancing functionality and fixing bugs. My contributions can be viewed on my GitHub profile: <https://github.com/debakarr>.