

# LAXMAN SINGH RAWAT

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## EDUCATION

### NEW YORK UNIVERSITY

New York, USA

Master of Science in Computer Science — Expected May 2027

Sep 2025 – Present

### INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

West Bengal, India

B.Tech (Hons.) in Civil, Minor in Computer Science

Jul 2016 – Jul 2020

- **Relevant Coursework:** Algorithms, AI, Responsible AI, Data Analytics, Information Visualization
- **Scholarships:** Merit Cum Means (2018-20), EME (2015-16), Army Education Scholarship (2015-16)

## TECHNICAL SKILLS

- **Languages:** Python, JavaScript, TypeScript, SQL, HTML, CSS
- **Backend:** Node.js, Express.js, Flask, REST APIs, Microservices Architecture
- **Frontend:** React, Mantine, Material UI, HTML, CSS, Responsive Design
- **Databases:** MS SQL Server, PostgreSQL, Database Design & Optimization
- **Cloud & DevOps:** Azure Cloud Services, Redis Cache, Azure DevOps (CI/CD), Git, Terraform, Docker
- **Testing & Quality:** Pytest, SonarCloud, Code Reviews, Unit Testing
- **Security:** Apiiro, Snyk, Checkmarx, SAST/DAST/SCA Practices
- **Observability & Analytics:** DataDog, Databricks, Power BI, Tableau

## PROFESSIONAL EXPERIENCE

### NEW YORK UNIVERSITY

New York, NY

*Graduate Research Assistant*

Sep 2025 – Present

- Automated data extraction and Tableau dashboard workflows using **Python**, reducing reporting time by **80%** while implementing data validation that identified and corrected errors in prior year datasets.

### ANHEUSER-BUSCH INBEV (AB INBEV)

Karnataka, India

*Solution Architect*

Oct 2023 – Aug 2025

- Led development of a global **Account Reconciliation platform** using React, Flask, Azure SQL DB, & Data Factory, processing **120-150M financial records** across **6 global regions**, saving **\$600k** in licensing costs.
- Delivered an enterprise **SKU change platform** using React, Node.js, & Azure SQL DB with a **custom state machine** managing 60+ steps across 11 teams, streamlining **85%** of processes & delivering **\$530k** cost savings.
- Spearheaded **DevSecOps adoption** by integrating SAST, DAST, and SCA tools in CI/CD pipelines, training, & monthly check-ins across 6 development teams, reducing vulnerability risk by **25%** across 15 repositories.

*Software Development Engineer I*

Aug 2020 – Sep 2023

- Built and scaled a global **Journal Entry platform** with **multi-zonal deployments** & CDN for low latency & message queue for robust integration, implementing governance workflows that improved compliance by **70%**.
- Engineered a **serverless Document Automation platform** using Azure Functions, SQL DB, Blob Storage, & Doc. Intelligence, processing 90+ weekly documents, avoiding **\$200k** detention/demurrage penalty annually.
- Developed a **Node.js REST API microservice** integrated with 16 internal applications, automating ServiceNow incident creation, reducing average response time from 2 hours to **near-instant**.

*Software Development Engineer Intern*

May 2019 – Jul 2019

- Built a **Power BI dashboard** to track RPA bots' executions to optimize license allocation through data-driven insights, contributing to a **15% annual cost saving** of around \$25,000 on RPA licenses.
- Executed a POC on **OCR-based text extraction** from scanned documents using Python and Tesseract, achieving **~80% accuracy** and setting up benchmarks for future document digitization strategies.

**Professional Awards:** Annual Leadership Culture (2025), Top Performer of the Year (2025), Excellence in Action – Innovation (2024), Beer Shot (Individual) (2021) & 5 Pitcher (Team) awards (Aug 2020 – Jul 2025)

## PROJECTS

### INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

West Bengal, NY

*Failure Mode Classification in FRC Using ML and Image Processing — Dr. S.K. Barai*

Jul 2019 – Dec 2019

- Implemented 3 Image Classification approaches: trained classifier models on features from Bag of Visual Words, Local Binary Pattern, and a custom 6-layer CNN, achieving accuracy of 67%, 89% and 90% respectively.