

# KUMAR SAURAV

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## Experience

**MICROLAND LIMITED** | Software Engineer

July 2022 - Present

- Implemented an automated [Ticket Correlation](#) system that resolved [15%](#) of tickets and resulted in a [25-hour](#) reduction in engineering workload per week.
- Created a system that facilitated offboarding and onboarding servers, accomplishing the tasks in just [1/60th](#) of the usual time.
- Developed remediation bots for IT tasks, running on over [10k](#) servers, cutting manual work by [10 hours per 100](#) servers in a week.
- Prepared a [Hardening Checklist](#) Bot, calculating compliance for different IT parameters and saving [50 hours](#) of effort on a single server.
- Established [Internal Ticket Creation](#) for NTA, improving the index number.
- Incorporated Service Requests into Microbots, increasing engagement by [20%](#) with customers.

**MICROLAND LIMITED** | Technology Intern

Jan 2022 – June 2022

- Successfully [upgraded](#) content search process from MySQL-based to Elastic, resulting in a [30%](#) increase in usage and improved loading time.
- Migrated all the data from [MySQL](#) to [ElasticDB](#) and rendered it to the frontend.

## Projects

**BlogApp** | [Github](#) | [Live](#)

Dec 2022

- Developed a feature-rich [full stack](#) web application with user authentication (signup, login) and seamless CRUD functionality for blogs.
- Utilised [NodeJS](#) with [ExpressJS](#) for backend [REST APIs](#), [MongoDB](#) for the database, and [EJS](#) templates for the frontend, deployed on [Cyclic](#).

**Optical Mark Recognition Reader** | [Github](#)

July 2019 – August 2019

- Attained [95%](#) accuracy in executing advanced [Image Processing techniques](#), encompassing grayscale conversion, blurring, thresholding, edge detection, and contour identification.
- Enabled accurate mark calculation from scanned OMR sheets of users using the [OpenCV](#) and [numPy](#) libraries in [Python](#).

## Technical Skills

**Programming:** C++, Data Structures and Algorithms, Javascript, C#, Python, YAML

**Technologies/Frameworks:** NodeJS, ExpressJS, React, MySQL, MongoDB, Elastic Search(basics)

**Tools:** Ansible, Kibana, git, docker

## Achievements

- Won [CHEERS recognition](#) for best performance in [August 2022 and April 2023 MRC Awards](#) by Microland.
- Secured [1st](#) position in [Summer Project Programme](#), 2019 by EEE Society,BIT Mesra.
- [CodeChef](#)- [ksauravsingh](#), Maximum rating [1746\(3\\*\)](#).
- [Codeforces](#)- [ksaurav430](#), Maximum rating [1314](#).
- [Leetcode](#)- [ksaurav430](#), Maximum rating [1807](#).
- Ranked [168](#) out of 5000+ participants in [Starters 69 Division 2 2022](#).

## Education

**BIRLA INSTITUTE OF TECHNOLOGY,MESRA**

2018 - 2022

*Bachelor of Technology*

*CGPA: 8.56*

## Hobbies and Extracurricular

- Badminton, Chess, Listening to music, Reading markets, Watching Animes
- Been part of [Rotaract](#) and [SIME](#) of [BIT MESRA](#).