

# Amish Singh

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## EDUCATION

### Kalinga Institute of Industrial Technology

Bachelor of Technology in Computer Science and Engineering; GPA: 79.9%

Bhubaneshwar, Odisha

2021 – 2025

### Miles Bronson Residential School

AISSCE (CBSE) Class XII; Percentage: 82.6%

Guwahati, Assam

2019 – 2021

## SKILLS

**Languages:** Python, SQL, HTML/CSS, C

**Libraries:** Pandas, NumPy, Flask, Selenium, RabbitMQ, AsyncIO, Scikit-Learn

**Tools:** MongoDB, MySQL, Power BI, Excel (Pivot Tables, Advanced Dashboards), Git/Version Control

**Expertise:** ETL Pipelines, Web Scraping, Machine Learning, System Design

## EXPERIENCE

### Associate Python Developer

Provakil (PVKL Technologies) 2025 – Present

On-site

- Architected robust web scraping pipelines for high-traffic legal platforms, achieving 99% data uptime, scalable architecture and leading cross-functional project sprints.
- Developed an automated document parser using Adobe PDF-to-Excel APIs, standardizing 5+ disparate formats into unified CSV structures for analytics.
- Optimized backend data extraction logic, resulting in an 18% reduction in data miss rates and significantly enhancing parsing accuracy.
- Collaborated with the Data-Entry team to automate manual workflows, saving approximately 120+ man-hours per week.

### Business Analyst (Freelance)

Sharma Enterprises May 2023 – Nov 2024

Hybrid

- Optimized logistics data workflows by 25% by identifying process bottlenecks and implementing tracking solutions.
- Developed a Custom Transport Management System (TMS) and internal Power BI dashboards, providing real-time visibility into operational KPIs.
- Conducted cost-saving audits and data-driven logistics analysis, leading to a 15% reduction in annual operational costs.

## PROJECTS

### Jobs & Referral Extraction Platform | Python, RabbitMQ, Selenium, MongoDB

Sept 2025 – Jan 2026

- Engineered a distributed scraping engine using RabbitMQ for parallel processing, scanning 50,000+ profiles across LinkedIn and Indeed.
- Aggregated 12,000+ high-intent potential referrals by syncing 400+ targeted keywords, building a high-conversion lead database.

### WIFI-MAC Based Attendance Database System | Flask, Python, MySQL

Aug 2024 – Nov 2024

- Architected a secure Flask-based authentication layer utilizing unique MAC addresses for device validation, ensuring high-fidelity tracking for 100+ unique devices.
- Engineered seamless database-to-frontend integration using MySQL, enabling real-time attendance monitoring and auto entry logging.

### Disease Prediction & NLP System | Scikit-Learn, Pandas, NLP, Python

Jan 2024 – Apr 2024

- Created a Machine Learning diagnostic tool using NLP to predict ailments from symptoms with high classification accuracy.
- Integrated a smart mapping engine to recommend specific Ayurvedic formulations based on real-time disease profile predictions.

## CERTIFICATES

### Google Data Analytics Professional Certificate

2024

### IBM Certified: Data Analysis with Python

2024

### 365DataScience: Machine Learning in Python

2024