

# AMAN KUMAR

+91 9026971193 | [amankumar107j@gmail.com](mailto:amankumar107j@gmail.com) | [LinkedIn](#) | [Github](#)

## EDUCATION

**Indian Institute of Information Technology, Kota**  
B.Tech, Computer Science and Engineering

Aug 2019 - May 2023  
CGPA/Percentage: 7.9

## EXPERIENCE

### Basesolve Informatics.

Software Developer Engineer 1

Aug 2024 - Present

- Refactored codebase from procedural programming to **object-oriented design**, boosting **system performance by 40%** and enabling modular, testable code for robust unit testing integration.
- Implemented **unit testing** framework with **Pytest** from scratch and **automated** testing pipeline using **GitHub Actions**, enhancing code reliability and CI/CD efficiency.
- Optimized codebase for processing large datasets using **chunking** and **multiprocessing**, preventing memory crashes, reducing memory usage and processing time by **80%**.
- Developed a generic **shell script** to handle FASTA files and generate statistical reports, streamlining bioinformatics analysis.

### Loyalty Juggernaut Inc.

Software Developer Engineer (Backend)

May 2023 - Mar 2024  
Hyderabad, Telangana

- Developed utilities and scripts to automate the **data migration process**, reducing manual effort and data errors by **100%**.
- As an individual contributor, I led data migration into two production environments.
- Managed real time databases such as **Postgres, DynamoDB, Couchbase**.
- Integrated multiple time-sensitive features seamlessly, ensuring they were bug-free and **delivered on schedule**.
- Developed a utility to **automate Django deployment processes**.
- Techstack Used: **Python, Pandas library, SQLAlchemy, Postgres, DynamoDB, AWS Services(Amazon S3, Cloudwatch, AWS RDS, AWSGlue), Integrated APIs of (Responsys, Webhook, Salesforce marketing cloud)**

### Loyalty Juggernaut Inc.

Software Developer Engineer Intern

Jan 2023 - May 2023  
Hyderabad, Telangana

- Developed a migration script to handle bulk data ingestion for a newly introduced epic in the database.
- Implemented integration with an external data syncing API (salesforce marketing cloud, webhook, responsys).

## PERSONAL PROJECTS

### Blog Post Web Application

[project link](#)

Created a flask web application

- Tech used: HTML, CSS, Bootstrap, Flask, mysql
- Developed a web application using flask for writing technical blogs integrated with databases to support CRUD operations.

### Tourismo Website

[project link](#)

Created a full stack website

- Tech used: HTML, CSS, JS, Bootstrap, php, mysql
- Developed a single page website based on tourism, to showcase the services they offer supported with a query generator form.

## TECHNICAL SKILLS AND INTERESTS

**Languages:** Java, Python, C++, Shell Scripting

**Developer Tools:** VS Code, PyCharm, Git, Linux, Docker, Singularity Containers, AWS

**Frameworks:** Flask, Django, DjangoRestFramework, SQL, C++ STL, Python Toil, Python Pandas, Multithreading, Celery, Pytests, Unit Testing, RESTApi, python click for cli

**DataBases:** Postgres, DynamoDB, Redis

**Coursework:** Data Structures and Algorithms, Operating Systems, DBMS, Object Oriented Programming

## ACCOMPLISHMENTS

- Recognized as **Employee of the Month** for developing tier 2.0 script.
- Received recognition for integrating APIs, crucial to preventing potential customer impact due to time sensitivity.
- Solved **600+ DSA questions** on various coding platforms ([GFG](#), [CodeForces](#), [Leetcode](#))
- Ranked **363 out of 12K+** participants at CodeChef in January CookOf challenge. <https://www.codechef.com/rankings/COOK137C?itemsPerPage=100&order-asc&page=4&sortBy=rank> Max Rating (1813 pts 4star At CodeChef)