Aayush Jaiswal

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EDUCATION

Indian Institute of Technology, IIT — Guwahati, Assam
Master of Technology (M-Tech) in Computer Science — *July. 2019 – June. 2021*

Institute of Engineering and Technology, IET — Indore, M.P.
Bachelor of Technology (B-Tech) in Computer Science — *July. 2014 – June. 2018*

EXPERIENCE

Dhani Pay — Mumbai, Maharastra
Software Engineer — *Jul 2021 - Feb 2023*

- **Dhani UPI From Scratch**: Involved in Designing and development of the Dhani UPI product of the Dhani application, which involved various low level design of API's
- **Web development From Scratch**: Designed and developed the web application for Dhani NCD. live link
- **Cron Jobs**: Implemented cron jobs for the reconciliation of pending loan payments.
- **Security**: Used RegEx for parsing inputs transforming text and masking sensitive data in logs
- **NoSQL**: worked with unstructured data to store every transaction that happens through DhaniPay UPI in JSON for analytic.
- **Technology Stack**: Java, Spring Boot, Maven, Git, Kibana, Elastic Search, JPA, AWS, Redis, Postgres, MySQL, MongoDB, Jira

TechRacers — Indore, Madhya Pradesh
Software Engineer — *Mar 2018 - Jun 2019*

- Designed test cases to ensure accurate and reliable system
- Involved in creation of API contracts and automation scripts.

PROJECTS

Vehicle-Sharing Service : Event driven architecture Github link
Application Development — *2023-2023*

- **Objective**: To build a distributed microservice which is **consistent and resilient to failure**
- **Details**: In distributed microservice, nontransactional databases are faced with the problem of updating a message queue consistently with the state of the database. We can't afford a single operation fail. Hence for this i used CockroachDB that match the need of the system
- **Technology Stack**: Spring Boot, Spring Data, CockroachDB, Kafka, Docker

Query-Based Image Retrieval Using Neural link
Machine Learning — *2020-2021*

- **Objective**: To minimize the weight between the query and the image
- **Methods**: Multi Response linear regression and Neural Network Methods
- **Details**: The main aim is to retrieve the desired image just by typing one of the few words to describe it. In this emphasis is more on language models. On the image side, we only represent each by its features extracted from a pre-trained network.

SKILLS

- Data Structures, RESTful API Design, Schema Design,Design Patterns.

- **Languages**: Java, JavaScript C++, C, SQL, XML

ACHIEVEMENTS

- **Secured 99.12 percentile** in GATE Computer Science 2019 "Certificate link"

- Served as annotator, and **written paper** on *Formally Reasoning about Quality* (Link)