

Rishikesh Songra

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EDUCATION

Indian Institute of Technology Guwahati, India
Bachelor of Technology - Computer Science and Engineering

July 2018 - May 2022

GPA: 7.86/10.0

EXPERIENCE

Amazon

July 2022 - Current

SDE

Bangalore, India

• Bank Account Validation

- * Worked on designing a microservice for Bank Account Verification for abuse prevention within amazon.
- * Validating Seller Bank Account by performing **PennyDrop** on it, This helps in improving seller experience for **after sales funds transfer**.
- * Spearheaded **Design and alignment** with multiple stack-holders like **Amazon Pay, Paystation and Wallet team**.
- * Implemented retry strategy in case of downstream unavailability/failures.
- * **Technologies :- Google Guice, Coral-RPC, Java, AWS, Maxis.**

• Tax Verification System

- * Worked on understanding distributed tax validation and verification system in amazon.
- * Enhancing the **GST/PAN verification** process by adding **Document upload feature** on **Amazon.in tax Setting page** for IN marketplace. Worked on gathering the requirements after discussing with stakeholders, owned E2E software development lifecycle for this feature.
- * Created UI framework for the application, added new API to trigger verification for uploaded document.
- * **Technologies :- Spring MVC, Java, HTML, JS, JQuery, AWS.**

- **Improved availability** of an internal service(**LongClaw**) which is used for tax verification of sellers, and actively participated in **OE/EE tasks and ON-call's**.

Amazon (Offered PPO)

May 2021 - July 2021

SDE Intern

Bangalore, India

- Integrated A/B testing and monitoring mechanism to **improve the adoption of Bulk Listing Tool**, It improved transparency to product team and **reduced overall listing complexity for the seller**.
- Worked in design and development of a dynamic table react library component, It helps in reducing code duplication and increased extendibility and re-usability.
- **Technologies :- Spring(Coral), React, Katal, Typescript.**

PROJECTS

Grammatical Evaluation Metrics

Jan 2022 - Apr. 2022

Prof. Amit Chintamani Awekar

IIT Guwahati

- Designed and developed new reference less language model metrics for grammatical evaluation which outperformed the state of the art metrics.
- Improved efficiency of Language Models on grammatical evaluation, conducted various ML/DL based experiments to figure out which metrics work best.

G-Sec Meter

Aug 2020 - Nov 2020

Students Web Committee, IIT Guwahati

github

- Worked on developing **G-Sec Agenda Meter**, a basic **CRUD** application using Django.
- Students can use to view the agendas of the elective representative and their agenda's current status. Representatives can add and update their agendas which will then be verified by selected User.
- The application is live and is being used by campus actively - **G-Sec Agenda Meter**

Codeforces Crawler

April 2020 - July 2020

Coding Club, IIT Guwahati

github

- Engineered a web application by **web scrapping** codeforces to create visual representation of the statistics of a user.
- Used MOSS to detect if a submission is plagiarised and supported simultaneous data visualization of upto 4 users.

ACHIEVEMENTS

- **Competitive Programming** : Actively participated in rated contest on CodeChef, and Codeforces.
- **Google Hashcode 2020** : Ranked among top **10** teams in IIT Guwahati.
- Obtained a **Zonal Excellence Award** in **IMO**(International Maths Olympiad).
- **IIT JEE 2018** : Secured **99.5 percentile** amongst 1.5 million candidates in India's largest engineering entrance examination JEE Advanced.

TECHNICAL SKILLS

Web Technologies: HTML, CSS, Javascript, Guice, Spring - MVC, Django*, Angular*, Typescript*, React*, Katal*

Programming languages: C++, C, Python*, Java*

Cloud Platform: AWS - S3, DynamoDB, SNS, SQS.

Miscellaneous: MySQL, Git, Shell, Latex

RELEVANT COURSEWORK

Computer Science: Data Structures and Algorithms, Databases, Operating Systems, Computer Networks, Compilers

Mathematics: Discrete Mathematics, Probability and Random Processes, Number Theory, Linear Algebra