

Hello I'm Sourav Kumar

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LinkedIn :- <https://www.linkedin.com/in/sourav-kumar-a0273115b/>

LeetCode :- <https://leetcode.com/spike02/> (1000+ problems solved, former 2000+ live contest rating)

Hackerrank :- <https://www.hackerrank.com/lawliet04> (6* Problem Solving)

Codechef :- <https://www.codechef.com/users/flybeyondcloud> (currently 3*, former 4*)

Skills

1. Scala, Java, C++, C, JavaScript, SQL, Python
2. Data Structures & Algorithms, Object-Oriented Programming
3. Web Development
4. Amazon Web Services (DynamoDB, Lambda, API Gateway etc.)
5. Git & Machine Learning
6. Ability to work in a team and under pressure, Requirement Analysis, Thinking & Analytical Ability, Leadership

Experience

JULY 2021 - DECEMBER 2022

Amazon Development Center India Private Limited, Bangalore- *SDE-I*

Was Part of the Amazon PayX team who owned the Payment Selection Page (TIER-1 service). Major works that I have done among all [Tech Used : Amazon Internal Tech Stacks + Scala] -

- [DevEx] As part of Project FastTrack, Amazon wanted to influence customers to choose Payment Method in Bottomsheet based on some Strategy Based Recommendation like Last Used, Most Used, Most Rewarding etc to improve PSP adoption rate and Payment Success Rate. I did ground up design and implementation and instrumentation for the entire bottomsheet PSP UX side changes. The complexity was very high as we have many conditions(based on the number of payment methods we show on PSP, there were more than 15+ unique conditions present) for setting the recommendation order and preselecting payment methods; setting tie-breaker logics, handling inconsistent data from backend etc.
- [DevEx] For bulk bill payments, customers use mainly third-party Credit Cards which has high "cost to amazon" rate and AmazonPay loses INR ~500mm annually (1.5% of the CC transaction value); and this was clearly termed as customer abuse. So I made the entire bottomsheet and full PSP UX side changes to suppress all Payment Methods except UPI-1P in bottomsheet and UPI-1P and UPI-3P in full PSP upon receiving Abuse violations from the backend plugin.
- [DevEx] Led the entire PSP UX side changes required to enable Recurring Payments across multiple clients such as Amazon Prime, Amazon Subscribe and Save etc.
- [DevEx] Was part of the Card On File Tokenization (RBI compliance) project.
- [OpEx] Solved a disk usage bottleneck of a Tier-2 service owned by our team, which resulted in increased availability of the service, reducing host counts to handle high traffic (reduced ~1293\$/month cost to our team).

- [OpEx] Had been Oncall multiple times where I efficiently solved high severity production tickets and relatively low severity internal and external tickets.

MAY 2020 - JULY 2020

Amazon Development Center India Private Limited, Bangalore- *SDE Intern*

Was part of the AmazonPay Cards & Netbanking team.

- Designing UX to create/update/delete static and dynamic rules easily for suppressing banks for Netbanking transactions; earlier it used to be done via console and was error prone.

Designed the application with Javascript, HTML, CSS; Connected the web application to AWS DynamoDB to read and update entries via AWS Lambda

Education

JULY 2017 - JUNE 2021

Jadavpur University, Kolkata - *Bachelor of Computer Science & Engineering*

CGPA - 8.5/10 (WBJEE Rank: 240(General) JEE Mains Rank: 7585(General) JEE Advanced Rank: 12187(General))

Academic courses include :

- Object Oriented Programming (with heavy influence on C, C++, Java), Databases, Machine Learning, Operating Systems, Computer Organisation & Architecture, Automata Theory, Compilers, Mathematics

Higher Secondary

Howrah Vivekananda Institution - *Science Stream(Mathematics, Physics, Chemistry, Biology)*

Percentage-94.2% , Ranked 20th in State

Academic Research work

- Text and Language independent classification of voice calling platforms using deep learning. Paper got accepted in The International Conference on Data Electronics and Computing (ICDEC) 2022. [\[Paper Link\]](#)
- Preparing Annotated Data on Covid-19 by Employing Naive Bayes. Published in MLIOB 2021. [\[Paper link\]](#)

Awards

- Jagadish Bose National Talent Search Senior Scholar (Batch - 2017, Rank - 4) [JBNSTS is a highly acclaimed Science Talent Search Program]

Others

- Good at playing chess, solving sudokus, reading books