

Work Experience

- Amazon.com Services LLC** Seattle, United States
SDE II, AtoZ Identity Nov. 2024 – Present
 - Redesigned login interfaces for AtoZ across web, Android, and iOS platforms, enhancing user experience for 2 million daily active Amazonians.
 - Led the secure identity provider migration project enabling password-less authentication for AtoZ users by architecting a dual-system sync mechanism, enabling phased rollout and reducing authentication-related incidents.
- Amazon Development Center (India) Private Limited** Delhi, India
SDE II, People Engine Dec. 2022 – Nov. 2024
 - PSQ-Clarity Migration: Spearheaded STEAM-level migration of 3P PeopleSoft Query to 1P Clarity tool by leading a 4-member team, building a scalable offline download service supporting modular backend integrations, and enabling seamless Clarity frontend adoption using AppSync/GraphQL.
 - MySupport ScopeBoundary: Led the implementation of a user-friendly UI using React and backend REST APIs deployed on EC2 server, enabling seamless interaction and data processing for defining and managing scope boundaries.
 - MySupport Baselining: Utilized Amazon EventBridge, AWS Lambda, AWS Fargate, DynamoDB Streams, Elasticsearch, Amazon PinPoint, and Amazon RedShift to implement the quarterly baselining process in MySupport, ensuring users are prompted to validate the accuracy of their assignments.
 - Population Deprecation: Successfully mapped exceptions between Populations and ADS backend, ensuring a seamless transition for users moving from Populations to ADS.
- The Goldman Sachs Group, Inc.** Bangalore, India
Associate, SRE and Alloy Streaming - ETL platform Mar. 2021 – Dec. 2022
 - Captured timeliness and completeness metrics using prometheus on legacy systems including job scheduler, database queues, ETL platforms, etc.
 - Integrated the retry logic for data pipelines by merging extract, transform and load jobs into a single process and eliminated the need for any staging store in-between the jobs.
 - Supported the sourcing of data from rest sources involving complex authentication mechanisms.
- Analyst, DocKnight - self service document digitization platform* June. 2018 – Feb. 2021
 - Open-sourced the core docknight library which is used to generate document model of pdf documents. The document model deconstructs a document into pages, groups (a visual paragraph within a page), lines, and segments (similarly-styled text within a line).
 - Trained Random Forest Classifier to extract net asset value from 6000+ capital statements every quarter. Reduced the risk of an incorrect valuation getting approved manually. Lessened manual effort equivalent to one headcount.
- Amazon Development Center (India) Private Limited** Delhi, India
Intern, Optimus Financials Jul. 2017 – Aug. 2017
 - Modeled the system to generate invoice PDF documents from XSL-FO files by utilizing the technologies Apache FOP and Apache Velocity.
 - Constructed the generic invoice template in XSL-FO for Amazon ATS dedicated carriers.

Publications

- Harsh Gupta, Luciano Del Corro, Samuel Broscheit, Johannes Hoffart, Eliot Brenner; **Unsupervised Multi-View Post-OCR Error Correction With Language Models**; Empirical Methods in Natural Language Processing (EMNLP); November, 2021

Education

Qualification	Institute	Score	Duration
B.Tech	IIT Mandi, Himachal Pradesh	8.8/10	Aug 2014 – June 2018
Class XII	Greenway Modern School, Delhi	92.2%	Apr 2012 – Mar 2013
Class X	Greenway Modern School, Delhi	9.8/10	Apr 2010 – Mar 2011

Awards and Honors

- Represented IIT Mandi at the ACM ICPC India Regionals in 2015, 2016, and 2017, with the best rank being 7 out of 160 at the Kolkata/Kanpur Regionals, 2017.
- Ranked 2nd of 400 teams from all the IITs, NITs, BITS, and IISC, in GoldmanSachs Quantify, 2017.
- JEE Advanced 2014 Rank 3096 (out of 1.26 lakh), JEE Main 2014 Rank 7564 (13.56 lakh).

Activities

- Recruited interns from top-tier colleges by conducting in-person interviews.
- Mentored two teams in Goldman Sachs NIC Datathon, 2020.
- Instructed competitive programming skills to first-year students to develop coding environment of the IIT Mandi.
- Volunteered as Teaching Assistant for the course on Data Structures and Algorithms.

Skills

- *Languages:* JAVA, Python, C++, C.
- *Libraries:* STL, Pandas, Numpy, Spacy
- *Web Design:* React, Redux, Django Framework.
- *Others:* SQL, Git, Machine Learning, REST, AWS Technologies