

Abhijay Mitra

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EDUCATION

B.Tech	Institute	Grad Year	CGPA
Major → Electrical Engg. (Instrumentation)	IIT Kharagpur,	2022	8.83 / 10
Minor → Computer Science and Engg.	India		8.84 / 10

EXPERIENCE

Member of Technical Staff (Software Engineer 2) | SALESFORCE Jun '22 - present

- Built OOTB cutting-edge **Gen-AI Agentforce** features on top of **business entities** owned by the team **Financial Services Cloud**.
- Integrated **Enterprise Product Catalog** with **Service Process Studio (SPS)** by **exposing** the **Process Definitions** as **Products** to leverage the **Access Control** capabilities, through measures like **junction entities**, **reducing Dispute queries by 45%**.
- Designed & delivered **2 end-to-end tested business entities** ensuring company-wide seamless integration and code reusability.
- Pioneered the development of **crucial validation rules** within SPS to include **dependency checks**, **logical sequencing**, **integrity** and **efficiency** of service processes and adherence to **business rules**, **reducing customer gacks by 80%**.
- Crafted robust and comprehensive **unit tests**, **functional tests**, **Jest** and **Selenium** test suites for all code authored, ensuring the robustness, reliability, and functionality of software components.
- Resolved user investigations, fixed bugs, and addressed test failures within tight time constraints for existing product services.
- Languages** used → Java, Javascript, **Frameworks** used → Spring, Maven, Bazel, **Databases** used → Postgres, MongoDB, SOQL

Software Engineering Intern | SALESFORCE May '21 - Jul '21

- As a part of Health Cloud, aimed to **recognize**, **analyze** and **store data automatically**, directly from **medical voice conversations**.
- Developed a prototype app for **healthcare registrars** that mitigated their role in **registering**, **updating** or **fetching patient details**.
- Executed automatic conversation with patient (through phone call) without any manual intervention from registrar except confirmation of the patient **data analyzed from the conversation** before saving the data, for update or new patient registrations.
- Integrated **Google Speech to Text** and **Einstein NER** APIs to eradicate requirements of any manual intervention in the process.
- Languages** used → Java, Javascript, **Frameworks** used → Spring Boot

Software Engineering Intern | PROFICIENT VISION SOLUTIONS Nov '19 - Dec '19

- Aimed to **remove rain and fog** from **HD video streams** in **real time**.
- Developed license for product** (encryption of machine details like MAC Id, hard disk id, date of installation) along with user provided details such as id, password, number of concurrent users, and unique details cameras to be granted access.
- Implemented the **RSA algorithm** from scratch for licensing the software, built the pre-processing steps of the fog removal code.
- Incorporated **histogram equalization** and **stretching**, in **CUDA C** to enhance speed of computation multiple folds.

COMPETITIONS

- Won** the **T&P All Star Award** at **Salesforce** for exceptional performance 2025
- Won** the **Industries Hackathon [Gen AI]** organized by **Salesforce** in the Asia Pacific Region 2024
- Won** the **InTurn Hackathon** organized by **Salesforce** for its interns. 2021
- Globally Ranked 311** in Round E in **Google KickStart** 2021
- Globally Ranked 42** in **Summer Code Challenge** held at Codechef 2021
- Qualified for **Facebook Hacker Cup - Round 2**. 2021

AWARDS and ACHIEVEMENTS

- Expert** with max rating **1877** on Codeforces (id → abj).
- 5 star** with max rating **2030** on Codechef (id → abhj).
- Secured All India Rank **2157 (99.9 percentile)** in **IITJEE Advanced** 2018
- Secured Rank **92 (99.9 percentile)** in **WBJEE**. 2018

SKILLS and EXPERTISE

- Languages :** Java, C, C++, Python, Kotlin, Javascript, TypeScript
- Platforms:** Salesforce, Github, Heroku, NodeJS
- Databases:** PostgreSQL, MongoDB, MySQL
- Frameworks:** React JS, Spring, Maven, JQuery
- Others:** Git, REST API, Postman, AWS, Metamind Einstein, Google Cloud, Machine Learning, Number Theory, Competitive Programming, Data Structures and Algorithms