Sumit Singh - *Senior Software Engineer @ HSBC*

Email:thesumitsingh@gmail.com
+91 8291474891

EXPERIENCE

HSBC — *Senior Software Engineer –* JULY 2021 - PRESENT (2.5 years)

Global Insurance Integration Layer (GIIL)	○ Developing containerized microservices (REST APIs) for handling insurance policies ○ Stack: Java, Springboot, Kubernetes
Insurance Point of Sale (IPOS)	○ Leading 4 developers to develop backend for an insurance policy purchasing platform ○ Developed new APIs and integrated with existing for entire journey of insurance applications ○ Stack: Java, Springboot, AWS, Kubernetes, PostgreSQL
AXA Pay	○ Handled analysis, testing, deployment for APIs for payments & emails for migration from AXA ○ Stack: Javascript, Node.Js, MongoDB, AWS DynamoDB
E-Welcome Pack	○ Worked on architecture of system to generate legal documents & onboard customers to HSBC ○ Developed AWS Lambda functions for transfer of data, cleaning buckets, error reporting etc. ○ Stack: Java, AWS Lambda, S3
Rapid Proposals	○ Worked on application to handle loans for corporates in multiple HSBC markets ○ Stack: React, TypeScript

Doubtnut — *Backend Developer –* FEBRUARY 2021 - JULY 2021 (6 months)
- Worked on internal dashboards (React), APIs (Nodejs) for student focussed Doubtnut app (used by approx 3 million DAU)
- **Tech stack**: NodeJS, Express, Redis, MySQL, MongoDB, React

CollegeFam — *Founder & Solo Developer –* MARCH 2020 - APRIL 2021 (~1 year)
- Built a meta job board for internships, hosted on Google Cloud & AWS, reached 120k views/month, $2,000 revenue
- **Tech stack**: Django (Python), JavaScript, HTML, CSS

Deloitte — *Data Science Intern –* MAY 2019 - JULY 2019 (2 months)
- Achieved 93.6% accuracy, 89 f1 score, 91% recall, on neural network built in Keras to predict employee attrition at Deloitte

RESEARCH

Predicting Material Properties using Deep Learning, Master's Thesis
- Developed a neural network model for prediction of which materials would be best suited to fabricate solar panels.

Making Smartphone Typing Accurate (Probabilistic Modelling), Industrial Design Center IIT–B
- Research paper published in India HCI 2017 on probabilistic model using Naïve Bayes classifier to increase typing accuracy

EDUCATION

Indian Institute of Technology (IIT) Bombay — *Bachelors & Masters (Dual Degree) (2021)*
Activities: Manager of Entrepreneurship Cell, organized 20+ events to promote entrepreneurship, within university & outside

Lucknow Public School — *Central Board of Secondary Education (CBSE)*
Activities: Head Boy of School for 2013-14, **Student of The Year** Awardee (Year 2015)

PORTFOLIO

Google Drive Embedder - a tool to share any Google Drive folder on a website in an embeddable format (link) [JavaScript]
Velveteen App - a memes app made from best memes from Instagram (link) [JavaScript, Supabase, CloudFlare]
CollegeFam - job board, blog [Django, Python, AWS, Wordpress]

AWARDS

Google Science Fair Top 15 Finalist (held in Mountain View, CA)   **Scientific American Science In Action Award Nominee**
Intel IRIS Science Fair finalist (National level)   **IBM Smart City Challenge Finalist** (National Level)