Shrey Dabhi

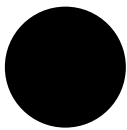Full-Stack · Data Engineering · Analytics

⌂ shreydabhi.dev
○ sdabhi23
in sdabhi23

WHO AM I?

A passionate self-taught developer, with a knack for creating engaging user experiences and performant systems. I love to experiment with new tech as well.
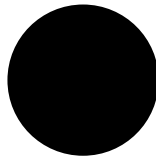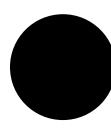
SKILLS

JavaScript   ReactJS   Python   SQL   AWS   Docker

Soft Skills: Stakeholder Management, Communication, Project Leadership, Adaptability

EXPERIENCE

Jan '24 – Present	**Senior Software Engineer**	**Inai**

· Working on the development of the Optimize & Recon products.

```
Python / MySQL / Amazon Web Services (AWS) / Terraform / FastApi
```

Nov '22 – Dec '23	**Senior Software Engineer - Analytics**	**DoctorC**

· Redesigned unit economics measuring system, which lead to increased efficiency and better insight into all parts of the product.
· Optimized AWS deployments which lead to savings of around $ 600 per month.
· Optimized contractor incentive & increment algorithms to better benefit the company.
· Took ownership of the MIS report and growth projection plans for investors.
· Started taking on some DevOps & product development responsibilities.
· Onboarded and mentored a Data Analyst in the data team.

```
AWS Lambda / SQL / Python / Django / React / DBT / Postgres /
Docker / Amazon Web Services (AWS) / Docker
```

Jul '21 – Oct '22	**Software Engineer**	**DoctorC**

· Built the data infrstructure & data quality pipelines from scratch using DBT.
· Setup core data models in DBT from scratch for operational, growth and retention analytics.
· Built growth and operational performance analysis dashboards.
· Operational analytics lead to outcomes like improved turn around time for reports, improved monitoring of contractors' performance, better rewards for the top performing contractors, easier negotiations with partner labs, etc.
· Growth analytics lead to outcomes like improved keyword targeting for Google Ads campaigns, reduced time to market in newly launched geographies, etc.
· Operationalized an incoming lead ranking ML pipeline to identify high conversion leads during COVID.
· Analysed consumer behaviour to find seasonal trends and retention patterns.
· Worked with the Head of Finance and the CEO on investor requests & Vendor Due Diligence.

```
Redshift / Snowflake / Clickhouse / SQL / Python / Django / React
/ DBT / Postgres / Tensorflow
```

Jul '20 – Jul '21	**Software Engineer**	**Optum**

Software Engineer — **Optum** (Jul '20 – Jul '21)

· Migrated a set of batch jobs from mainframe to big data environment which lead to savings in operational costs.
· Developed a tool to load binary data file exported from mainframe systems into any modern database using Python.

```
Python / Spark / SQL / Scala / Oozie / Kubernetes / Hadoop
```

INTERNSHIPS

Project Trainee (AI Intern) — **Bosch Global Software Technologies** (Jan '20 – Jun '20)

· Part of the team which built the initial versions of Bosch AIShield.
· Did research in the areas of Linear Algebra Optimization, Graph Databases & Graph Neural Networks.
· Supported the quantum computing team by implementing their algorithms on available quantum computing systems.

```
Python / Flask / Tensorflow / PyTorch / NumPy / Scikit-Learn /
Docker / Graph Databases / Quantum Computing
```

Software Engineering Trainee — **Lets Nurture Infotech** (May '19 – Jul '19, part time)

· Developed POCs for potential and existing clients.
· Did research and feasibility studies on leads for new projects.
· Projects undertaken include Visual Search, Virtual Try On, IoT in cricket, Food Classification, and Invoice Processing.

```
Python / Google Cloud Platform (GCP) / Image Processing / Tensorflow
/ PyTorch / OpenCV / Arduino / RaspberryPi
```

Machine Learning Intern — **Taaraka Technologies** (Dec '18 – Feb '19, part time)

· Learnt the math behind the fundamental ML & DL algorithms.
· Applied unsupervised learning on company data to find the hidden trends.
· Applied supervised learning algorithms to classify a subset of BBC's Hindi language news articles.

```
Python / Machine Learning / Natural Language Processing (NLP) /
Scikit-Learn / Pandas
```

Product Development Fellow (Intern) — **Hasura** (Dec '17 – Feb '18, part time)

· Worked on the dev platform based on kubernetes.
· Developed a one-click deploy boilerplate for a chatbot integration with Dialogflow.
· Other responsibilities included finding bugs and contributing to the documentation for the platform.

```
Java / Android / React Native / React.js / Python / Kubernetes
```

EDUCATION

B.Tech. in Information Technology — **Institute of Technology, Nirma University** (Aug '16 – Jul '20)
CGPA: 8.12 / 10

RESEARCH PAPERS

Feb 2020 — **Eigenvector Component Calculation Speedup over NumPy for High-Performance Computing**
```
arXiv / Springer
```

Apr 2020 — **Virtual SAR: A Synthetic Dataset for Deep Learning based Speckle Noise Reduction Algorithms**
```
arXiv / IEEE DataPort
```

Jun 2020	**NodeNet: A Graph Regularised Neural Network for Node Classification**
	`arXiv`

SIDE PROJECTS

March 2024	**Kafka Data Streaming Assignment**	**Open-Source**
	A realtime streaming data pipeline built over Kafka. Flink & Spark are used for data processing and Kafka Connect for delivering data to the destination.	
	`Python / Streaming Data / Kafka / Flink / Spark / Kafka Connect`	
	GitHub Repo	

March 2024	**Data Streaming Assignment**	**Open-Source**
	A realtime streaming data pipeline built over AWS Kinesis Data Streams, AWS Kinesis Firehose & AWS Lambda.	
	`Python / Streaming Data / Terraform / Amazon Web Services (AWS)`	
	GitHub Repo	

June 2018	**bsedata**	**Open-Source**
	Python library for extracting real-time data from Bombay Stock Exchange (India).	
	`Python / Web Scraping / Beautiful Soup 4`	
	GitHub Repo 🍫 Python Package	

November 2020	**Monaco JSON Viewer**	**Open-Source**
	`JavaScript / Browser Extension`	
	GitHub Repo 🌐 Chrome WebStore	

CERTIFICATIONS

May 2021	**Microsoft Certified: Azure Data Fundamentals** · `View Certificate`
Apr 2021	**Microsoft Certified: Azure Fundamentals** · `View Certificate`
Jun 2020	**Deep Learning Specilization (Coursera / DeepLearning.AI)** · `View Certificate`
Feb 2019	**Machine Learning (Coursera / Stanford University)** · `View Certificate`

EXTRA CURRICULAR ACTIVITIES

Mar '18 - Apr '19	**Chief Organiser**	**HackNUthon 2019, Nirma University**
	• Developed the website for the hackathon.	
	• Handled the shortlisting process. Shortlisted 18 teams from over 50 teams who applied for the hackathon.	
	• Oversaw the food and accommodation for over 60 participants inside the campus.	

Dec '18 - Nov '19	**President**	**Computer Society of India, Nirma University Chapter**
	• Organised a national level techfest (Cubix'19).	
	• Improved the social media presence and marketing of the club.	
	• Arranged for sponsorships for the various events being conducted.	
	• Worked with multiple stakeholders to ensure smooth functioning of the events.	

Jun '18 - Nov '19	**Placement Coordinator**	**Institute of Technology, Nirma University**
	• Ensured smooth functioning of the entire placement process for the students of my batch.	
	• Supported the HRs and Hiring Managers in managing the placement drives.	