

Abhishek Deshmukh

| Computer Science Engineer |

📍 Bangalore, Karnataka, India

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Work Experience

Schneider Electric - Global Data Hub

Data Security Project Specialist

Bangalore, India

March 2020 - Present

- Part of DDH-DRL Agile Team, **reported directly to a Regional CISO** who is also the **Digital Risk Leader** of Global Data Hub of Schneider Electric.
- **Built a Data protection pipeline in AWS** around the data in the company with the help of a very efficient team to make sure that the data coming into the company and being used in the company is safe, also to make sure company is compliant with GDPR.
- Did some of the **High-Level Design (HLD)** and most of the **Low-Level Design (LLD)** for services I worked on in the Data protection pipeline.
- Some of the services in the pipeline I worked on include
 - **Data X-Ray** – Developed an automated process on AWS in which data is first pulled from sources such as SFTP or EC2 instances then scanned according to project requirements and finally deposited at the necessary destination.
 - **Access control** – Developed front-end and back-end to manage access control lists maintained on S3 buckets.
 - **Data Safeguarding Project**– Developed a mechanism to remove access to sensitive files stored on cloud services post the expiry date and developed various internal APIs to service frontends as well.
- **Technologies used:** AWS Lambda, API-Gateway, AWS Glue, AWS VPC, S3, SNS, DocumentDB, XML, JSON. Bref, ReactJS, Python, PHP.
- Responsibilities also included testing and deploying various applications to production environments.

KPIT Cummins Pvt Ltd

Project Trainee Analyst

Pune, India

May 2018 - June 2018

- Developed an attrition report using data analytics and predictive modelling presented as a Power BI dashboard.

Education

Vellore Institute of Technology

Bachelor of Technology in Computer Science & Engineering

Chennai, India

July. 2015 – Apr. 2019

- **Cumulative Grade Point Average (CGPA):** 8.14/10
- **Relevant Courses:** Operating Systems; Computer Architecture and organisation; Artificial Intelligence; Natural Language Processing; Web Mining; Human Computer Interaction; Image Processing; Parallel and Distributed; Virtualization.
- **Final Year Thesis:** "Workload Based Optimal ATC sector capacity"

University of South Australia

Post Graduate Certificate in Data Science

Adelaide, Australia

July. 2019 – Dec. 2019

- **Cumulative Grade Point Average (CGPA):** 6.50/7.00
- **Relevant Courses:** Business Intelligence and Analytics; Big Data; Statistics; Statistical Programming.
- **Notable Project:** "Influenza Subtype Prediction"

Technical, Professional & Personal Skills

Programming Language Proficiency

Industrial Experience: Python, PHP, Javascript.

Project Experience: C, C++, R, MATLAB, SAS

Familiar Tools and Frameworks

- AWS Lambda, AWS Glue, AWS S3, AWS Step Functions
- AWS API Gateway, AWS VPC
- Nodejs and React for web development.
- Paramiko python library to SSH servers.
- Numpy, pandas python libraries for analysis and predictive modelling.
- Tableau and Power BI for data visualization.

Notable Projects

Influenza Subtype Prediction

University of South Australia

- Used a decision tree to predict the subtype of influenza virus using data from previous outbreaks to provide insights towards readiness for vaccines and preventing the spread of disease.

Workload Based Optimal ATC sector capacity

Vellore Institute of Technology, Chennai

- Applied a neural network model that helps in computing the optimal ATC sector capacities of the Chennai Flight Information Region.