

# Abhinav Gupta

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## Personal Profile

I am a Data enthusiast, currently working in Data Engineer role with TCS with a retail client.

## Education

### Guru Gobind Singh Indraprastha University

Bachelor of Technology in Computer Science and Engineering

- Graduated with Distinction, CGPA-8.55

Delhi, India

May 2015 - May 2019

### Ramjas School, Pusa Road

High School

- Passed with Distinction
- Specialised in Physics, Chemistry, and Maths with Computer Science

Delhi, India

Apr 2013 - Apr 2015

## Work Experience

### Tata Consultancy Services

System Engineer Digital Cadre

- Building ETL pipelines for setting-up daily data ingestion process of payments related data reports coming from different payment vendors to Snowflake Data Warehouse for business users and Data Science teams.
- Resolving day-to-day data load issues reported by business and other teams using SQL on Snowflake Web UI
- Setting up Tasks, creating External Stages, DDLs, Views and Stored Procedures for loading third-party payments data from Azure containers to new tables as created in Snowflake.
- Doing Dev testing and getting data validation done by business users.
- Deploying the SQL codes to DEV and QA environment using Github through Jenkins CI/CD pipelines.
- Performing history load operations in case of bulk data load using SQL queries.
- Maintaining proper documentation through Confluence and following Agile methodology to perform daily tasks using Jira board.
- Technical Skills:** SQL, Snowflake, Javascript, Azure Cloud, Jenkins, Git.
- Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

Delhi, India

July 2019 - Current

## Projects

### Temperature monitoring system

Bolt IOT

- Used Bolt IOT Wifi module and temperature sensor to monitor temperature, any hike in temperature than threshold value setup then an alert message is sent on mobile device using Twilio API.
- Technical Skills:** Python, Linux, DigitalOcean and GCP cloud platforms, Twilio messaging API, IOT temperature sensor and Wifi module.
- Soft Skills:** Time Management, Learning new things.

Delhi, India

January 2020- till date

### Speaker detection through Voice

GGSIPU

- Built a simple login system which logs in through voice of a legitimate user.
- Extracted mfcc features from voice using different libraries and build logistic regression model to train those mfcc features.
- Technical Skills:** Functional Python programming, scikit-learn, matplotlib and different python libraries.
- Soft Skills:** Teamwork, Presentation skills, Report writing.

Delhi, India

August 2019

### Conversational Chatbot

GGSIPU

- Using few questions and answers as our training data, used word2vec and NLP to do preprocessing of our data, trained our model on LSTM.
- Technical Skills:** Python, Jupyter, Machine learning using tensorflow, LSTM model training.
- Soft Skills:** Report writing, Teamwork.

Delhi, India

September 2018

## Emojinator

Delhi, India

Eckovation

October 2018

- Using hand gestures, predicted corresponding emojis. Captured hand gestures and used image processing and deep learning techniques to train a CNN model
- **Technical Skills:** Python, Jupyter, OpenCV for image processing, Deep learning model built using Tensorflow, Github.
- **Soft Skills:** Self learning, Confidence, Time management

## Hindi Handwriting recognition

Delhi, India

Eckovation

August 2018

- Used Devanagari image dataset from UCI repository to train a CNN model. Used image processing techniques to render the pen movement on screen to capture and predict the Hindi letter on screen.
- **Technical Skills:** Python, Jupyter, OpenCV for image processing, Tensorflow, Github
- **Soft Skills:** Self learning, Confidence, Consistency, Time management

## Login Website

Delhi, India

Almamate

July 2017

- Built a simple login website using PHP, HTML/CSS and AngularJS.
- **Technical Skills:** PHP, HTML, CSS, AngularJS, Javascript
- **Soft Skills:** Learning passion, Time management

## Skills

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**Programming** Python (Pandas, Jupyter, NumPy, Matplotlib, Scikit-learn etc.), Snowflake, PHP, C/C++, HTML/CSS, JavaScript, SQL.

**Miscellaneous** GCP, Azure containers, Linux, Microsoft Office, Jenkins, Git, Jira, Confluence.

**Soft Skills** Time Management, Teamwork, Problem-solving, Documentation, Presentation.

References available upon request.