

# Gaurav Thorat

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**PROFILE:** Highly accomplished IT Engineer professional with 4 years of experience in data science, data analysis, data visualization, machine learning, and NLP. Expert at leading complex multistage projects. Proven ability to manage all phases of project life: inception, documentation, procurement, deployment, and turnover for monitoring and administration.

Outstanding mentoring skills. Exceptional technical-to-business communication skills. Strong analytical and problem-solving skills utilizing logical and systematic approach. Ability to work as a team member or individually. Proven leadership skills. Excellent presentation skills (MS PowerPoint, MS Excel, and MS Visio). Capable of making critical decisions while under pressure and assuming responsibility for results. Outstanding customer service skills. Excellent writing and verbal communication skills.

**Known for exceptional competence in following areas:**

- **Leadership:** Consistently commended by company executives, colleagues, and peers for strong work ethic and ability to finish extremely complex jobs on schedule.
- **Technical:** Successfully analyzing highly scalable huge and redundant datasets from leading vendors and visualizing to its best behavior.
- **Documentation:** Creates easy to follow step-by-step procedural documentation and easy to read Excel diagrams for environment turnover to end user.
- **Communication:** Using PowerPoint presentations and outstanding writing and communication skills efficiently delivers complex technical subject matter to non-technical business area management.

**EDUCATION:** **University of Texas at Arlington, Arlington, TX** *Present*  
*M.S. – Concentrating in Data Science.*

**Mumbai University, Shivajirao S. Jondhale College of Engineering, Mumbai, India**  
*B.E. – Computer Engineering; GPA 4.00* *June 2021*

**Mumbai University, V.P. M's Polytechnic, Mumbai, India**  
*Diploma – Computer Engineering; GPA 4.00* *June 2017*

**TECHNICAL SKILLS:** **Operating Systems:** Windows 11, Linux, Ubuntu, MacOS.  
**Databases:** MS Access, MySQL, MS SQL Server, Postgre, Oracle.  
**Applications:** Machine Learning, Data Preparation, Agile methodologies, Data Structures and Analysis, Data Visualization, Business analysis, Exploratory Data Analysis, ETL, Data modelling and wrangling, Web Scraping, TensorFlow, Predictive Modelling, Quantitative Analysis, SQL/NoSQL, Data Flow Diagrams (DFD), Deep Learning, AWS Cloud Infrastructure, Data and Cloud Security, SWOT analysis, Pattern Recognition, Statistical Analysis, Quality Management, MS-Office Suite.  
**Programming:** Python, scikit-learn, Java, JavaScript, R, OpenCV, H2O.ai, Hadoop, Django, Angular.js, HTML, CSS, SQL, C, C++, Go, Spark, PHP.  
**Other Tools:** Tableau, Machine Learning, AWS services, Microsoft Azure, IP Cameras, Power BI.

<b>TECHNICAL</b>	Certified Data Scientist, IBM.	<i>Aug 2021</i>
<b>QUALIFICATIONS:</b>	Certified Data Science Professional, John Hopkins University.	<i>Oct 2021</i>
	Certified Data Analyst, Google.	<i>Dec 2021</i>
	Certified Cloud Practitioner, AWS.	<i>Jun 2022</i>
	Certified Cloud Solutions Architect - Associate, AWS.	<i>Aug 2022</i>

**EXPERIENCE: Zenith InfoTech Limited**

**Data/Cloud Engineer** *Nov 2020 to Nov 2021*

**Duration: 1 Year**

- Incorporated cloud architecture into new facility planning, reducing need for on-site equipment and technical support personnel.

- Eliminated downtime and maximized revenue by providing top project quality control.
- Ensure that all cloud solutions follow architecture, security, compliance controls, and conformance to the company's standards.
- Formulate and define technical scope and objectives for cloud services management, non-functional requirements, disaster recovery, and security.

## **InterTrust Group Ltd**

### **Jr. Data Scientist**

*Aug 2019 to Jul 2020*

#### **Duration: 11 Months**

- Provided real-time business analytics and visualizations for internal customers.
- Automated models and metrics for better product performance and provided analytical insights to maximize the impact and reach of company's resources.
- Developed, implemented, and validated new predictive modelling algorithms and applications.
- Used Python, SQL, and Excel to build a product recommendation engine, increasing average time on page, improving companies' revenue.

## **Codalyze Technologies**

### **Machine Learning Engineer**

*Feb 2018 to May 2019*

#### **Duration: 1 Year 3 Months**

- Interpreted 300+ complex simulation datasets using statistical methods.
- Improved accuracy of simulation by 30% using complex algorithms.
- Developed dimensional data modeling to satisfy OLAP needs.
- Used SQL to re-structure schemas with 100+ tables to enhance data integrity.

## **Aerus InfoTech Ltd**

### **Full Stack Developer (Part time regular Internship)**

*Nov 2016 to Dec 2017*

#### **Duration: 1 Year 1 Month**

- Supervise the creation and maintenance of new products, technical documentation, and workflows.
- Collaborate with the app development team, including the project manager, developers, and quality assurance specialists, to identify problems, testing methods, and best practices
- Completed all phases of planning, developing, and debugging web applications and software accurately.
- Create and deliver highly efficient application-based solutions to optimize the company's complaints handling process.
- Ensure that applications are secure and that they can interact with multiple APIs and databases.

**PROJECTS:** NLP Projects (*Twitter Sentiment Analysis, Stock Market Prediction, Loan Default Prediction, etc.*)

#### **Leaf Analysis and Prediction (BE Final Year)**

- The project was developed in Kotlin library in Python used to determine leaf diseases over huge database.
- A dataset of thousands of leaves was taken into consideration for training the ReLu function for rigorous comparisons in less time and efficiently.

#### **Personal Virtual Assistant (Diploma Final Year)**

- The project worked as a Chatbot on Raspberry PI, which was totally operated with speech synchronisation and online support ensuring less errors.
- The product was handy, smaller than mobile phones and like Google Mini or Alexa Echo but would work on lower bandwidth and can be used while travelling too.

## **AWARDS &**

## **ACHIEVEMENTS:**

Secured Third prize in a National Level project Competition, NextTectTechfest at St Xavier College of Engineering and Technology, Mumbai

Participated in State level project and paper presentation competition in ZODIAC Techfest at Rajiv Gandhi Institute of Technology, Mumbai.

Attended an event on Application Development in Avalon Techfest held at Terna Engineering College.