

GAURAV THORAT

Arlington, TX | 6825630193 | gauravthoratt1998a@gmail.com | [Github](#) | [LinkedIN](#) | [Portfolio](#)

An IT Professional with 4 years of comprehensive experience in data analysis, machine learning, and NLP. Recognized for consistently delivering complex tasks on schedule, in-depth technical aptitude, and effective communication of intricate topics to non-technical stakeholders.

SKILLS

- Operating Systems: Windows 11, Linux, MacOS
- Databases: MS Access, MySQL, MS SQL Server, PostgreSQL, Oracle
- Applications: Machine Learning, Data Preparation, Agile Methodologies, Data Structures and Analysis, Data Visualization, Business Analysis, Exploratory Data Analysis, ETL (Extract, Transform, Load), Data Modeling 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, REST APIs, CI/CD Pipelines, GitHub, Git, Data Warehouse, AI (Artificial Intelligence), Application Development, Software Development, JSON, Data Mining, Regression Analysis, Relational Databases, Big Data Analysis, SPSS, Presentation Skills, Systems Analysis, Google Cloud Platform, Quantitative Research, Project Management, Encryption, SFTP, Leadership, Marketing, Financial Acumen, Data Management, Predictive Analytics.
- Programming: Python, Java, JavaScript, R, OpenCV, Hadoop, Django, Angular.js, SQL, Go, Spark, PHP, C/C++, SAS, Docker.
- Tools: Tableau, Power BI, AWS SageMaker, Microsoft Azure Portal, IP Cameras, Jira, MATLAB, Apache Hive, Kafka, DevOps, Teradata, Semantic Web, GIS, ArcGIS

WORK EXPERIENCE

Bank of America

Arlington, TX

Data Science (Capstone)

Sep 23 – Dec 23

- Capstone project for University of Texas at Arlington (With Bank of America).
- The topic was "Testing LLM Models" in which the purpose of the project was to determine whether a particular text given as input is human or machine generated, for which we generated and created a clean dataset from scratch with human and machine generated inputs and trained ML models to develop and new detector like GPTZero and made in-depth analysis on the comparison of human vs AI-generated content.

UTARI

Arlington, TX

Research Assistant

Sep 22 – Aug 23

- Developed clean and efficient code, adhering to best practices and coding standards, and implemented and maintained databases to store and retrieve required data.
- Conducted advanced statistical analyses, such as regression analysis, machine learning, and predictive modeling, to support research objectives.
- Conducted thorough data analysis using statistical software (e.g., Python, R) to extract meaningful insights and identify trends to develop data visualization dashboards and reports to communicate research findings effectively.
- Maintained detailed records of research procedures, data collection, analysis methodologies and results.
- Worked with the research team to design and develop software applications and tools for a smart watch tailored to specific research needs.

Zenith InfoTech Limited

Mumbai, India

Data Scientist

Aug 19 – Nov 21

- 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.
- Using SciPy and NumPy for in-depth analysis of click data and user profiles, uncovering crucial patterns and insights.
- Crafted compelling data visualizations to clearly convey these findings to leadership teams.
- Undertook a thorough assessment of model significance to enrich the analytical narrative.
- Compiled a comprehensive report outlining key outcomes and their ramifications.
- Formulate and define technical scope and objectives for cloud services management, non-functional requirements, disaster recovery, and security.
- Used Python, SQL, and Excel to build a product recommendation engine, increasing average time on page, improving companies' revenue.

InterTrust Group Ltd

Mumbai, India

Software Engineer

Feb 18 - May 19

- Delivered real-time business analytics, offering dynamic visualizations tailored to the needs of internal stakeholders.
- Pioneered automation techniques, refining models, and metrics to enhance overall product performance.
- Drew on deep analytical insights to fully harness and optimize the company's resource allocation and impact.
- Led the development of cutting-edge predictive modeling algorithms tailored to evolving business needs.
- Ensured rigorous validation of newly implemented algorithms, guaranteeing accuracy and effectiveness in real-world applications.

Aerus InfoTech Ltd

Thane, India

Full Stack Developer

Nov 16 – Dec 17

- 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.

EDUCATION

University of Texas at Arlington

Dec 2023

Master of Science – Computer Science and Mathematics

GPA: 3.2/4.0

Mumbai University

Jul 2021

Bachelor of Engineering - Computer Engineering

GPA: 3.7/4.0

ACHIEVEMENTS

- Machine Learning on GCP – **Google Cloud Certification.**
- Data Analytics using Google – **Google Certification.**
- AWS Cloud Architect – Professional – **AWS Certification.**
- Data Scientist – **Google and IBM Certification.**
- Cloud Architecture and Fundamentals - **AWS and Azure Certification.**
- Bronze Medal as Top 5% on **Kaggle data-driven competition.**
- Data Engineering – **Google Certification.**