Gaurav Thorat

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PROFILE: Highly accomplished IT professional with 4 years of experience in data analysis, machine learning and NLP. 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.

EXPERIENCE: University of Texas at Arlington

Research Assistant   *Sep 2022 to Aug 2023*

Duration: *1 Year*

- Worked with the research team to design and develop software applications and tools for a smart watch tailored to specific research needs.
- Wrote 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.

Zenith InfoTech Limited

Data Scientist   *Aug 2019 to Nov 2021*

Duration: *2 Years 3 months*

- 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.
- Used Python, SQL, and Excel to build a product recommendation engine, increasing average time on page, improving companies' revenue.

InterTrust Group Ltd

Software Engineer   *Feb 2018 to May 2019*

Duration: *1 Year 3 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.

Aerus InfoTech Ltd

Full Stack Developer   *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.

TECHNICAL SKILLS:

Operating Systems: Windows 11, Linux, Ubuntu, 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, 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.

TECHNICAL QUALIFICATIONS:

Certified Data Scientist, IBM.

Certified Data Science Professional, John Hopkins University.

Certified Data Analyst, Google.

Certified Cloud Practitioner, AWS.

Certified Cloud Solutions Architect - Associate, AWS.

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 and 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 synchronization 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.

EDUCATION:

University of Texas at Arlington, Arlington, TX

M.Sc. – Masters in Data Science; CGPA – 3.4/4. *December 2023*

Mumbai University, Shivajirao S. Jondhale College of Engineering, Mumbai, India

B.E. – Computer Engineering; CGPA – 7.2/10 *June 2021*

Mumbai University, V.P. M's Polytechnic, Mumbai, India

Diploma – Computer Engineering; Percentage – 73% *June 2017*

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.