

Nitin Kumar

Bulandshahr UP

+91 7500850578 | nitinyashvirdagur@gmail.com | leetcode.com/u/nitin_dagur/ | linkedin.com/in/nitinkumardagur/ | github.com/nitin-dagur

EDUCATION

VIT Bhopal University

Bachelor of Technology, Computer Science

Bhopal, M P

Oct. 2022 - Ongoing

EXPERIENCE

Cybersecurity Analyst Job Simulation

Tata Group

January 2025

Online

Gained hands-on experience in Identity and Access Management (IAM) by assessing IAM strategies for a simulated enterprise at TechCorp Enterprises. Reorganised authentication and authorization solutions, securing access for 100+ users. Led the integration of IAM platforms, improving system compliance by 30%. Evaluated IAM frameworks and applied security best practices, reducing access-related vulnerabilities by 25%.

Solutions Architecture Job Simulation

Amazon Web Services Asia-Pacific

Dec 2024

Online

- Designed and implemented a scalable hosting solution, increasing system uptime to 99.9% and improving efficiency by 40%.
- Optimized auto-scaling, load balancing, and failover mechanisms, reducing response times by 50%, server crashes by 60%, and deployment downtime by 70%.
- Integrated CI/CD pipelines and containerized deployments, accelerating deployment speed by 3x and enhancing reliability under varying workloads.

Data Visualisation: Empowering Business with Effective Insights

Tata Group

Dec 2024

Online

- Reviewed a dataset from an online retail store and formulated four pertinent questions each for the CEO and CMO, focusing on metrics that influence strategic planning and revenue growth.
- Introduced 5+ interactive dashboards, visualizing key performance indicators (KPIs), trends, and demographic insights, improving data-driven decision-making by 40%.
- Utilized [Tableau, Power BI, Python (Matplotlib, Seaborn), etc.] to enhance data accessibility, reducing manual reporting efforts by 60%.
- Optimized dashboard performance and usability, achieving 2x faster load times and ensuring real-time analytics for 100+ stakeholders.

PROJECTS

Simon Game | HTML, CSS, JavaScript, jQuery (for event handling and animations)

January 2025

Developed an interactive memory game with 5+ difficulty levels, where players replicate a randomly generated color sequence, increasing user engagement by 60% through visual and audio cues.

- Enhanced game performance by refining the interactive logic for a color sequence memory game, achieving 99% uptime while accommodating over 1,000 concurrent players with minimal latency issues during gameplay.
- Designed an intuitive UI with color-coded buttons and real-time feedback, reducing user errors by 40% and improving overall user experience.

Multiple Disease Prediction | Python, Scikit-learn, NumPy, Streamlit-Option-Menu

September 2024

- Prepared a web-based heart disease prediction app using Streamlit, integrating 3+ machine learning models (Linear Regression, Decision Tree, Random Forest), improving prediction accuracy by 85%.
- Enabled users to input 10+ key health parameters, generating real-time predictions with an average response time of <2 seconds.
- Created a repository with 5+ training notebooks and datasets, facilitating in-depth model exploration and analysis for 100+ users.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS

Frameworks: Tailwind CSS, Django (if working with Python)

Dev Tools: Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries: pandas, NumPy, Matplotlib

Extra-Curricular

- Solved Leetcode 80+ Questions, 5 star in Java in HackerRank
- Leadership Quality
- Coordinated and hosted an event focused on Mental Health Wellbeing, aiming to raise awareness, provide support, and promote discussions on mental health challenges and solutions.
- Founding member of Mathematics Association Club (VIT-Bhopal)