

Vineet Bothra

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EDUCATION

George Mason University , Fairfax, Virginia
Masters in Data Analytics and Engineering

Aug 2022 - May 2024
GPA: 3.70

IP university , Delhi, India
B.Tech in Information Technology

May 2013 - May 2017
GPA: 3

PROFESSIONAL EXPERIENCE

Oxmaint Inc. - Sunnyvale
Data Scientist Engineer Intern

Jul 2024 - Oct 2024

- Processed large sensor datasets using Python to enhance LLM predictive accuracy by 95%.
- Developed LangChain model to forecast machinery changes and automate maintenance.
- Reduced accident risks by 40% using Big data through reliable, proactive machinery maintenance.
- Improved machinery safety and efficiency using LangChain's LLMs, Chains, and Agents for predictive analytics and optimized maintenance schedules

Capstone - Virginia
Data Engineer

Jan 2024 - May 2024

- Spearheaded AI-driven industry code prediction model, leading a 6-member team to leverage LLM and FDA technologies for groundbreaking results.
- Implemented solutions using Python and SQL that reduced processing time by 25%, enhancing operational efficiency.
- Fine-tuned processes reducing data loss to achieve significant cost savings and optimize resource allocation.
- Optimized processes using Python, AWS, SQL, Tableau, and Kafka, reducing processing time by 30% and improving efficiency.

Java R&D pvt. ltd. - India
Senior Software Engineer

Jan 2021 - Jul 2022

- Enhanced database efficiency for Walmart with advanced schema normalization, boosting retrieval by 20.3%.
- Automated processes using SQL and Python, achieving a 29.7% increase in operational efficiency.
- Led API development for Arvig using AWS services such as API Gateway, Lambda, and S3, reducing project time and enhancing user experience.
- Executed cohort analysis with Tableau and Python for Quinstreet, leading to a 14.6% rise in retention rates.
- Applied Agile methodologies to streamline development leading to improved project delivery efficiency.
- Regularly implement unit testing and automated test suites using Python's unit test framework or external libraries, ensuring code quality and reducing bugs.
- Developed and fine-tuned complex Django ORM queries to pre-load data, improving database performance and minimizing query overhead, which is critical for high-traffic applications.

ZIMYO pvt. ltd. - Gurugram, India
Data Engineer

Nov 2020 - Jan 2021

- Optimized data pipelines with Java, reducing processing time by 30% for enhanced efficiency.
- Developed scalable AWS solutions for over 40TB of data, improving accessibility.
- Implemented autonomous systems, boosting development efficiency by 70%.

Raceme Biotech - India
Backend Developer

Mar 2020 - Jul 2020

- Analyzed data with Informatica, boosting decision-making and efficiency by 10%.
- Suggested process improvements, cutting finance costs by 15%.
- Interpreted complex datasets using Python to provide actionable insights for strategic decisions.

Accenture - Gurugram, India
Associate Software Engineer

Nov 2017 - Jul 2019

- Automated Python scripts in AMAP, boosting planning efficiency and client satisfaction by 40%.
- Optimized AMAP in Power BI, leading to a marked improvement in client satisfaction and fostering stronger business relationships.
- Enhanced Signet project skills in JavaScript, React and Node driving 50,000+ monthly visitors.
- Deployed cloud solutions with AWS using services like EC2, S3, and RDS, enhancing client delivery and scalability.
- Improved AMAP using Agile methodologies and Jira, enhancing project efficiency and strengthening client relationships.

SKILLS

Functional : Agile, Jira, SDLC, Cloud
Python, SQL, AWS, Java, Excel, JavaScript, Tableau, API Management, Machine Learning, Data Visualization, Database
Technical : Management, ETL, React, Node.js, Git, LLM, Artificial Intelligence, Power BI, Agile Methodologies, Big Data., AWS
Lambda, Mongo

ACHIEVEMENTS

- 10+ CERTIFICATIONS IN DATA SCIENCE, ML, BUSINESS INTELLIGENCE.
- AWS DEVELOPER CERTIFICATION achieved in August 2024.
- Achieved top 5 positions in Big Data exploration project at GMU (coursework – AIT 580).
- Received Best Performer award for Walmart and Quinstreet clients at Java RnD.