

Vineet Bothra

Delhi, India ✉ vineetbothra1443@gmail.com ✆ +91-7838344009 🌐 GitHub - <https://github.com/Vins1443>

Website/portfolio- <https://vineetbothra.com/>

EDUCATION

George Mason University, Fairfax, Virginia
Master's 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, United States
Data Scientist Engineer

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

Programming Languages: Python, SQL, Java, JavaScript, HTML, CSS.

Data Science & ML: Supervised/Unsupervised Learning, Deep Learning (LangChain, TensorFlow), NLP (spaCy, Hugging Face), Predictive Analytics, Feature Engineering, OpenAI, AWS Bedrock.

Big Data & Data Engineering: ETL, Kafka, Databricks, Apache Spark, AWS (EC2, S3, Lambda, Glue, RDS), Data Pipelines

Business Intelligence & Visualization: Tableau, Power BI, Advanced Excel.

Backend & Software Development: Django, Flask, API Development, Unit Testing, Agile Methodologies, Git.

DevOps: Docker, Kubernetes, CI/CD (Jenkins, GitLab).

Cloud Platforms: AWS, Basic GCP & Azure Knowledge.

Other Tools: Informatica, Jira, Hadoop Ecosystem.

ACHIEVEMENTS

- **AWS DEVELOPER CERTIFICATION** (August 2024). Validation Number - 5ae418756ef5455490ad5525e3c38443.
- **10+ Certifications** in Data Science, AI/ML, Gen AI and Data Engineering.
- 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.