

As a Data Science postgraduate with an MSc in Data Science and AI from the University of Exeter, I am proficient in Python for data analysis and modeling, and experienced with visualization tools like Power BI. I have applied these skills to real-world problem-solving. With hands-on experience in AWS, I have developed, fine-tuned, and deployed AI models—including those from Hugging Face’s Transformers library and Stable Diffusion—using services such as Amazon SageMaker and EC2 instances, and integrated OpenAI’s ChatGPT and DALL·E APIs into various applications. Passionate about innovation, I excel in both independent and collaborative work within cross-functional teams to tackle complex data management challenges in projects.

SKILLS

Tools and Languages	Python, SQL, Rust, JavaScript, Git, AWS
Machine Learning	BERT, LSTMs, Deep Learning, NLP, Data Analysis, PyTorch, TensorFlow
Data Processing	Data Wrangling, Data Cleaning, Automation with Python, Power BI
Cloud and Blockchain	AWS EC2, S3, IAM, VPC, Solana, Smart Contracts, Anchor CLI
Communication	English (Fluent proficiency)

TECHNICAL EXPERIENCE

Data Science Intern April 2022 — Jul 2022
TCR Innovation

- Developed a predictive model to enhance customer retention strategies, using Python and SQL to achieve a 25% improvement in prediction accuracy.
- Automated data processing workflows with Python, increasing efficiency and reducing manual intervention.

AWS Intern Jun 2022 — Aug 2022
BRAINOVISION Solutions

- Configured and optimized AWS EC2 and S3 for efficient resource management, leading to a 20% cost reduction.
- Implemented security protocols using IAM and VPC, establishing basic access control and network security.

PROJECTS

Preventing Confidential Data Leaks through Nudging April 2024 — Sept 2024
Machine Learning Project

- Developed an NLP model using BERT to detect and prevent data leaks, deploying it for real-time interaction on a web app.
- Achieved a 40% reduction in potential data leaks by refining model parameters and analyzing user behavior data.

COVID-19 Tracker Project March 2022 — Sept 2022
JavaScript & API Integration Project

- Developed a COVID-19 tracking tool using the disease.sh API to provide real-time global statistics.
- Implemented interactive maps and data visualizations, allowing users to monitor the pandemic’s progression.

Crowdfunding Dapp based on Solana Blockchain March 2022 — Sept 2022
Blockchain Project

- Co-created a decentralized crowdfunding platform on Solana, focusing on transparency, security, and anti-fraud.
- Developed and deployed smart contracts using Rust, utilizing Anchor CLI for efficient contract management.

EDUCATION

Master of Science in Data Science with AI (2:1, Merit) Sept 2023 — Sept 2024
University of Exeter

- Relevant modules include: Machine Learning (Python), Social Network and Text Analysis (Python), Fundamentals of Data (Python).
- Dissertation: Preventing confidential data leaks through digital nudges.

BTEC (Hons) Electronics and Telecommunications Engineering (8.01/10 CGPA) June 2019 — May 2023
University of Mumbai

- Relevant modules include: Data Structures and Algorithms (C++), Database Management (SQL), Deep Learning (Python), Image Processing and Machine Vision (Python), Linear Algebra, Project Management.
- Final-Year Project: Decentralised crowdfunding platform on the Solana blockchain.

COURSES

Google Advanced Data Analytics Specialization	Aug 2023
Applied Social Network Analysis Python	Nov 2023