

ANKUSH NAG

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PROFESSIONAL SUMMARY

Computer Science undergraduate with hands-on experience in developing data pipelines, visual analytics, and NLP models. Proven ability to extract insights from large structured and unstructured datasets using tools like SQL, Python, Power BI, and Excel. Delivered projects in business intelligence and automation that supported strategic decision-making. Seeking to contribute analytical expertise and machine learning skills to a data-driven team environment

TECHNICAL SKILLS

Analytics and Visualization:	Power BI, Tableau, Excel, Matplotlib
Programming:	Python, C/C++, Java, SQL
Machine Learning/AI:	NLP, TensorFlow, BERT, Scikit-learn, Text Classification
Developer Tools:	Git, Data Bricks, Google Collab, Azure and AWS, Visual Studio, Eclipse

EDUCATION

Bachelor of Technology in Computer Science, MIT World Peace University AIDS(Artificial Intelligence & Data Science)	Aug. 2021 – June 2025
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Rao Junior College of Science Class 12th, HSC	April 2020 – April 2021
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City International School Class 10th, CBSE	April 2018 – April 2019
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WORK EXPERIENCE

Data Analyst Intern John Deere India	Jan 2025 - July 2025 <i>Pune, Maharashtra</i>
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- Designed and automated scalable data pipelines using **Python** and **SQL**, reducing data processing time by 40% and improving data accuracy
- Developed and maintained 3+ interactive **Power BI dashboards** to visualize system performance, driving a **20%** improvement in operational decision-making
- Led the development of a machine learning-based content moderation tool, improving detection accuracy by **30%** and cutting manual review time by **40%**
- Processed and cleaned over **10M** records of **structured** and **unstructured** datasets using Python, Pandas, XML, and SQL
- Implemented **NLP techniques** to extract insights from 10,000+ text records, improving trend prediction accuracy by **15%** and supporting business strategy
- **Collaborated** with cross-functional teams of 4+ developers and analysts to gather requirements and deliver scalable, end-to-end data solutions aligned with **company objectives**

PROJECTS

Sign Language Detector <i>ML, Python, TensorFlow</i>	Github
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- Designed and deployed a real-time sign language recognition model using **TensorFlow** and **Keras**
- Reached over **85%+** prediction accuracy while improving model efficiency with a **30%** reduction in runtime
- Integrated **GitHub** with Visual Studio Code, improving team productivity by 25%

Stock Data Scraper | *Python, Selenium*

[Github](#)

- Developed a Python-based tool to automate live stock data extraction using **Selenium** and **BeautifulSoup**
- **Optimized** scraping efficiency by **30%** through scheduled execution and performance tuning
- Visualized **50+** trend charts and **time-series graphs** using Matplotlib to uncover market patterns and anomalies

Hate Speech Detection | *BERT, NLP, Python*

- Built a BERT-based NLP **pipeline** to classify over 2M tweets, boosting model accuracy by 40% and decreasing preprocessing time by 35%
- Engineered advanced text processing **workflows** including tokenization and stemming, boosting natural language understanding (NLU) performance by **15–20%**

Voice Cloning | *AI, ML, Python*

- Engineered a **deep learning** model using custom vocoders to replicate speech from acoustic model outputs
- Increased voice recognition **accuracy** by 22% and reduced system latency by 10%

CERTIFICATIONS

Deloitte Australia Data Analytics Job Simulation on Forage

[Certificate](#)

- Completed a Deloitte job simulation involving **data analysis** and **forensic technology**
- Built a comprehensive **Tableau dashboard** and analyzed data trends to support business fraud detection
- Applied data classification techniques to derive actionable insights for **stakeholders**

Quantium Data Analytics Job Simulation on Forage

[Certificate](#)

- Developed expertise in data preparation and customer **analytics**, utilizing transaction datasets to extract valuable insights and deliver data-driven commercial recommendations
- Extended analytical capabilities to identify benchmark stores for conducting uplift testing on trial store layouts, enabling evidence-based **decision-making**
- Delivered a comprehensive analytics report to support **strategic recommendations** for a retail category manager

Electronic Arts Software Engineering on Forage

[Certificate](#)

- Proposed a new feature for the EA Sports College Football and wrote a Feature Proposal describing it to other **stakeholders**
- Created **object-oriented** design documentation using class diagrams and implemented modular C++ header structures
- Debugged a critical production bug and **optimized** game performance by implementing efficient data structures, resulting in a **25% reduction** in memory usage and faster load times

Walmart USA Advanced Software Engineering on Forage

[Certificate](#)

- Developed a novel version of a **heap data structure** in Java for Walmart's shipping department, showcasing strong problem-solving and algorithmic skills
- Deployed a **UML class diagram** for a data processor, considering different operating modes and database connections
- Created an **Entity Relationship Diagram** to design a new database accounting for all requirements provided by Walmart's pet department