

# ANKITA RAMESHCHANDRA PANDEY

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## SUMMARY

Data Scientist with a Master's degree in Computer Science, specializing in Data Analytics and AI. Led ETL development projects valued at \$500K and collaborated with teams of up to 20 members. Enhanced decision-making processes using machine learning, achieving a 30% increase in business outcomes. Skilled in transforming data into actionable insights, impacting thousands of users across various sectors. Enthusiastic about devising innovative solutions to real-world challenges.

## EDUCATION

**Virginia Tech**, Master of Engineering, Computer Science - Data Analytics and Artificial Intelligence **Aug 2023 — Dec 2024**

**Current Coursework** : Machine Learning, Information Visualization, Introduction to Artificial intelligence

**VJTI**, Bachelor of Technology, Computer Science & Engineering

**Aug 2018 — May 2021**

**Relevant Coursework**: Data Structures and Algorithms, Machine learning, Neural Networks & Deep Learning, Probability and Statistics, Database Management Systems, Operating System, Computer Networks, Object Oriented Programming.

## SKILLS

**Languages:** Python, JAVA, C, C++, JavaScript(Node Js), SQL

**Libraries :** Pandas, NumPy, Scikit-Learn, TensorFlow, React, Spark

**Tools and Frameworks:** Tableau, Pycharm, Eclipse, Jenkins, ElasticSearch, Hadoop, CI/CD, MongoDB

## EXPERIENCE

**Barclays | Graduate Data Analyst - ETL Developer | Pune, India**

**Aug 2021 — July 2023**

- Innovatively developed an analytics tool using Tableau to validate the authenticity of internal business data against the source data, providing actionable insights to business stakeholders.
- Spearheaded the development of a data pipeline for the NGCB project, significantly reducing the customer records comparison processing time by 85%, from 120s to 18s.
- Demonstrated leadership by supervising two developers, creating a data-retrieving website, and establishing a CICD pipeline with Jenkins, JUnits testing, and Hadoop integration.

**Barclays | Summer Data Internship | Pune, India**

**June 2020 — Aug 2020**

- Pioneered the development of a highly sophisticated mobile forensic application that achieved a 98.5% data cleansing accuracy.
- Conducted in-depth exploratory data analysis (EDA), revealing complex attack patterns and deploying advanced Artificial Neural Networks (ANN) to predict and prevent fraudulent activities with a remarkable 99.02% accuracy rate.

**VJTI | Data Science Intern | Mumbai, India**

**June 2019 — Aug 2020**

- Conceptualized and executed a cost-effective and scalable private cloud storage solution using Raspberry Pi hardware, outperforming traditional alternatives.
- Led a project team in designing a system capable of storing and processing up to 1 terabyte of data.

## PROJECTS

**Ghanta Gadi App | Mumbai Vikas Samiti** | Python, React, NodeJS, Flutter

**May 2019 — Aug 2020**

- Developed a mobile app for NGO's waste management, improving sorting efficiency by 50% and reducing costs by 30% using machine learning-driven EDA and predictive models.

**Driverless Car** | Python, ML,

**July 2019 — May 2020**

- Developed a smart vehicle with 95% accuracy in motion analysis, 97% accuracy in image recognition, and precise obstacle detection. Successfully conducted real-road tests for traffic signal navigation, pedestrian detection, and drowsy driver identification.

**Yoga App | Co-founder | Yogiction - The Health Addiction** | Python, Node JS, OpenPose, Flutter

**Feb 2021 — July 2022**

- Founded and directed a holistic yoga promotion startup, achieving a 98% accuracy rate in yoga posture recognition and correction using cutting-edge Pose Estimation models.

## LEADERSHIP EXPERIENCE

**VJTI | General Secretary | Mumbai, India**

**July 2019 — May 2020**

- Orchestrated and supervised over 15 technical, cultural, and sports events, attracting 500+ student participants
- Managed teams of up to 30 students in a university-wide role, leading to a 40% increase in event attendance.
- Enhanced student engagement across departments by 25%, demonstrating strong organizational and leadership skills.