



Basic Details of the Team and Problem Statement

Ministry/Organization Name/Student Innovation: Government of Gujarat

PS Code: SIH1364

Problem Statement Title: Fake Social Media Profile Detection and Reporting

Team Name: Cyber Watchdogs

Team Leader Name: Shrey Patel

Institute Code (AISHE):

Institute Name:

Theme Name: Software

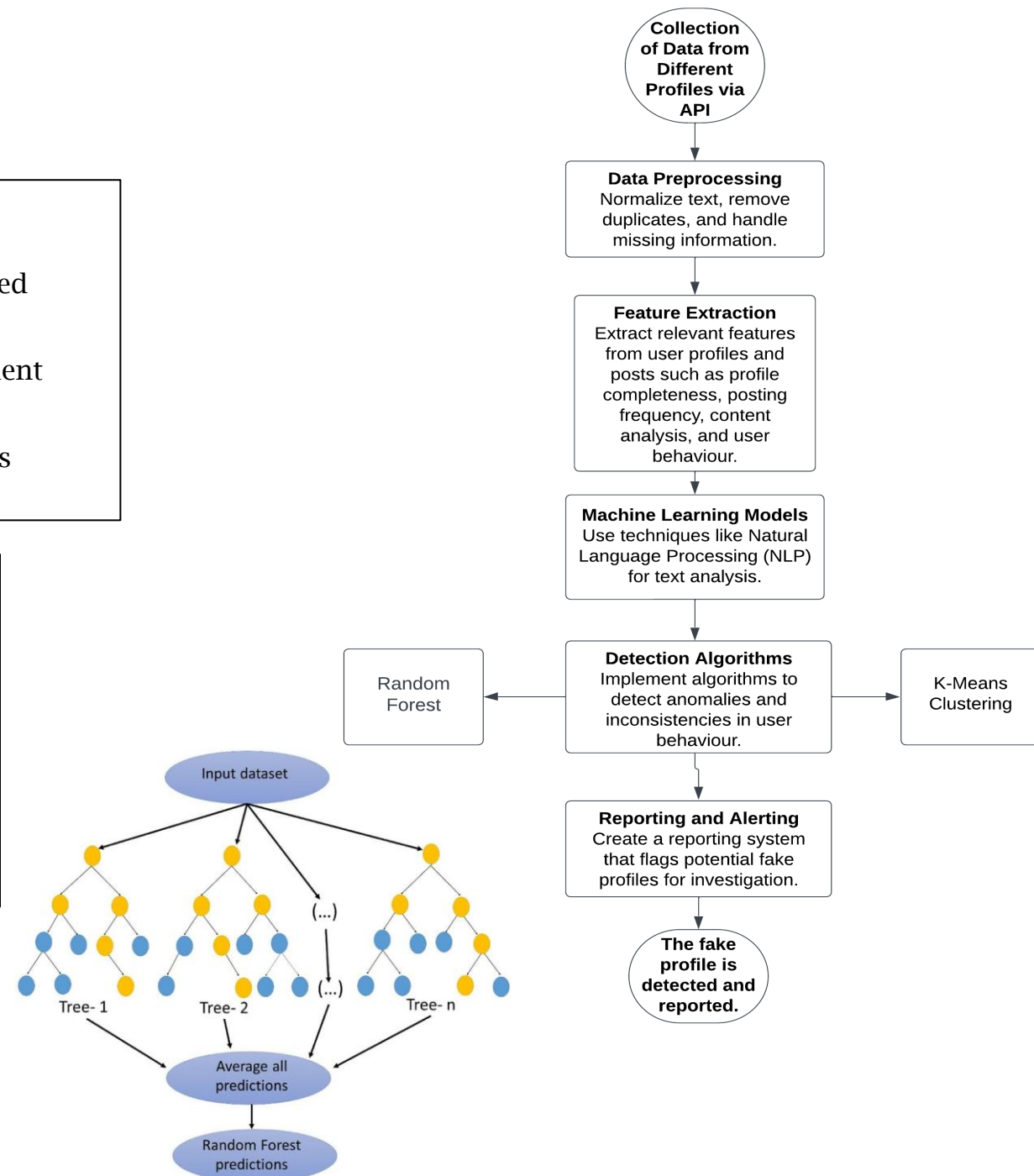
Idea Details:

Our Idea :

- Creating an app for investigative agencies that uses NLP and advanced algorithms to detect fake social media profiles.
- NLP analysis text , behavior, and language patterns to detect fraudulent activities in online platforms.
- Combination of various algorithms such as Random Forest, K-Means Clustering would make it more efficient to detect fake profiles.

Our Technology Stack:

- **Languages:** Python for ML and scripting, JavaScript.
- **ML and Data:** TensorFlow, Pandas, NumPy, NLP libraries.
- **Database:** PostgreSQL/MySQL/MongoDB.
- **APIs** (Social media platforms) & **Web Scraping** (BeautifulSoup)
- **Infrastructure:** AWS/Docker



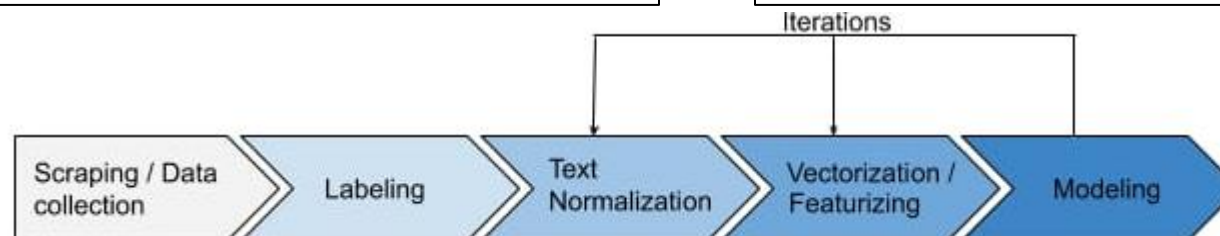
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Our Use Cases :

- Cybersecurity and Safety
- Social Media Platforms
- Spam and Bot Detection
- E-Commerce and Marketplace Fraud Prevention
- Educational Institutions
- Government and Anti-Scam Agencies
- Image and Content Analysis
- Cross-Platform Activity Analysis

Our Dependencies :

- Access to Social Media APIs
- Data Privacy and Legal Compliance
- Bias Detection and Privacy Safeguards
- Handling False Reporting and Legal Complexities
- Human Oversight and Feedback Mechanism
- Data Retention Policies
- User Education and Response to Feedback



Team Member Details:

Team Leader Name: Shrey Patel

Branch: BS(2+2)

Stream : CSE

Year: I

Team Member 1 Name: Nakshatra Gupta

Branch: BS(2+2)

Stream : CSE

Year: I

Team Member 2 Name: Tejas Panchal

Branch: Btech

Stream : CSE

Year: I

Team Member 3 Name: Parshv Mistry

Branch: BS(2+2)

Stream : CSE

Year: I

Team Member 4 Name: Dev Mehta

Branch: Btech MBA

Stream : CSE

Year: II

Team Member 5 Name: Vani Jain

Branch: Btech

Stream : E&I

Year: III

Team Mentor 1 Name: Type Your Name Here

Category (Academic/Industry):

Expertise (AI/ML/Blockchain etc):

Domain Experience (in years):

Team Mentor 2 Name: Type Your Name Here

Category (Academic/Industry):

Expertise (AI/ML/Blockchain etc):

Domain Experience (in years):