CHAITANYAPRASAD KULKARNI

+91 6362126748 | chaitanyaprasadkulkarni4@gmail.com | Github | LinkedIn | Mysuru, India

SUMMARY OF QUALIFICATIONS

Driven Computer Science student with hands-on experience in building secure, scalable AI pipelines using MLOps. Skilled in Python, Docker, FastAPI, and AWS, with a strong foundation in data science and cybersecurity. Designed and deployed a cloud-ready phishing detection pipeline, improving threat identification and data integrity. Proficient in end-to-end data workflows, automation, and modular design. Passionate about solving real-world problems through innovation and collaboration, bridging technology and product development for impactful, high-performance results

EDUCATION

The National Institute of Engineering.(2026) — Mysuru, India
Bachelor of Science in Computer Science Engineering — *(CGPA: 8.3)*

Expert Group of Institute.(2022) — Mangalore, India
12th State Board, Science — (Percent: 92%)

Sri Ramakrishna Vidyashala(2020) — Mysuru, India
10th Karnataka State Board — (Percent:91.6%)

TECHNICAL SKILLS / SOFT SKILL

- **Programming Languages:** Python, C, C++
- **Web & Development:** HTML, CSS, React, Django, Flask
- **Databases:** MySQL, MongoDB
- **Software/Tools:**Git, GitHub, MLFlow, AWS, Excel, Tableau, CI/CD, Dagshub.
- **Machine Learning & AI:** NumPy, Pandas, hyper-parameter tuning with gradientCV,DVC
- **Soft-Skills:**Communication , Teamwork , Leadership ,Problem-solving

PROJECT EXPERIENCE

Automated Phishing Data Security Pipeline. — Mysuru, India

- Designed and deployed a scalable, cloud-ready phishing detection pipeline using machine learning and MLOps best practices, improving threat identification accuracy by 15% over baseline.
- Engineered a modular ingestion-to-prediction workflow with FastAPI, Docker, and MongoDB, enabling real-time phishing detection and automated alert generation.
- Built CI/CD-ready components with version-controlled experimentation using MLflow, enhancing reproducibility and reducing model iteration time by ~40%.
- Implemented robust data validation, transformation, and schema enforcement, improving data integrity and reducing pipeline failures by ~70%.
- Structured the pipeline with reusable preprocessing, classifier benchmarking (Random Forest, Gradient Boosting), and drift detection, aligning with Agile development cycles and enterprise-grade standards.

Blood Bank Management System | Django, HTML/CSS, JavaScript, MySQL, Data Analytics — Mysuru, India

- Developed a web-based system to automate blood donor and inventory management, reducing manual record errors and improving data retrieval speed by ~80%.
- Engineered secure user authentication and role-based access, ensuring data privacy and regulatory compliance for blood bank operations.
- Optimized donor and inventory workflows through data analysis, increasing blood availability matching accuracy by ~25% and reducing out-of-stock events.
- Collaborated with cross-functional teams to enhance UI/UX using HTML, CSS, JavaScript, and Django, boosting user satisfaction and reducing training time for staff.

CERTIFICATIONS(Coursera)

- Google Data analytics Capstone:Complete Case study,(google)
- Machine learning regression,(University of Washington)
- Data Visualization with python(IBM)

HACKATHONS AND COMPETITIONS

- Intruder detection and alert by message by api automation | IOT project
- Bharatiya Antariksh Hackathon-2025 | Road segmentation (AI/ML)(LISS-4 image)