

VISHAL ARUN FARANDE

BVB Campus Vidhyanagar, Hubballi, Karnataka 580031

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Education

KLE Technological University, Hubballi (KLETU)

Bachelor of Computer Science Engineering

Graduation: July 2024

CGPA: 8.79/10

Technical Skills

Languages: Java C++ Python SQL

Developer Tools and Frameworks: Spring Framework Gradle RESTful APIs Linux Git Jupyter

Cloud and DevOps: GCP AWS CI/CD, Docker

Testing and Security: Karate JUnit API Testing Security

Databases: MongoDB, PostgreSQL AWS DynamoDB

Experience

Informatica

July 2024 – Present

Software Engineer

Bengaluru, India

- Developed and optimized Java-based microservices using Spring Framework and RESTful APIs, enhancing system performance and scalability.
- Designed and implemented automated API testing with Karate, improving test efficiency and reducing manual validation efforts.
- Led security and data validation enhancements, including AOP-based authorization checks and data integrity validations, ensuring compliance with industry standards.

EinetCorp Private Limited

Jan 2024 – May 2024

Software Engineer Intern (Early-Stage Startup)

Hubballi, India

- Developed a real-time application pipeline for processing visual data using Python, OpenCV, and TensorFlow.
- Integrated OCR object detection for accessibility tools, improving recognition accuracy.
- Built a scalable backend API to support AI workloads on Raspberry Pi Hailo AI processor.

Undergraduate Research Assistant

June 2023 - Dec 2023

KLE Technological University

Hubballi, India

- Applied deep learning (DL) to predict binding affinity between diabetic ligands and proteins, streamlining analysis through molecular docking.
- Developed AI-driven drug discovery models to identify molecular interactions and binding sites within proteins.
- Validated predicted results against experimental data, contributing to drug discovery optimization.

Dana Anand Private Limited

July 2022 – May 2023

Machine Learning Intern

Dharwad, India

- Developed a vision system for defect detection in drive shaft components using YOLO PyTorch.
- Deployed trained models to the existing industrial pipeline, improving defect detection efficiency.
- Built a user-friendly dashboard for real-time monitoring using AWS DynamoDB Flask.

Achievements

- Winner, **Smart India Hackathon 2023** (Internal Round)
- Certified **Google Cloud Ready Practitioner**
- Certified **Juniper Network Certified Associate (JNCIA-Junos)**
- Published papers at **International Conference on Data Science and Intelligent Applications (ICDSIA)** and **International Conference on Applied Machine Learning and Data Analytics (AMLDA)**

Volunteering

- Google DevFest Hubballi 2023** – Hosted sessions and engaged with the tech community.
- Head of Institute SIH Finale, KLETU (2022)** – Led the university's Smart India Hackathon participation.
- US Educational Fair Coordinator, BVB Campus** – Managed logistics and student engagement.