AELISH KUMAR

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Detail-oriented Computer Science graduate with practical experience in Artificial Intelligence and one year as a System Engineer. Recognized for consistently delivering projects on time, with expertise in deep learning, computer vision, and problem-solving skills that drive innovative solutions.

WORK EXPERIENCE

Tech Intern   *Jun 2023 - Aug 2023*
IBM, Remote, India

- Applied core ML concepts on real-world datasets to enhance model performance.
- Improved data preprocessing pipelines and deployment readiness.
- Boosted model evaluation accuracy through metric tuning and cross-validation.
- Led knowledge-sharing sessions on modern ML tools and libraries.
- Increased team productivity by 30% through collaborative tooling strategies.

System Engineer   *Jul 2024 - Present*
Tata Consultancy Services, Kolkata, West Bengal, India

- Developed and optimized enterprise-grade modules in Oracle's C2M application using Java and SQL.
- Improved system efficiency and data handling workflows, resulting in a 30% performance gain.

EDUCATION

Bachelor of Science in Computer Science (ML and AI)   *Jan 2020 - Jan 2024*
University of Petroleum and Energy Studies   **GPA: 8.11**

- Developed a strong foundation in Python, Machine Learning, and Artificial Intelligence through hands-on coursework and academic projects.
- Strengthened problem-solving skills in Data Structures and Algorithms using C++, applying them to build data-driven and predictive systems.

PROJECTS

Audio Entity Classification using CNN & RNN

- Built and optimized a deep learning pipeline using CNN and RNN for audio classification (cat, dog, human) with 92%+ accuracy.
- Applied MFCC-based preprocessing and enabled real-time inference with scalable model design.

Cow Breed Determination using Computer Vision

- Developed a real-time cow breed classification system using TensorFlow and OpenCV.
- Achieved 80% + accuracy for the Sahiwal breed with sub - 200ms inference latency.

SKILLS

System Engineer: Oracle C2M Application, SQL, JAVA, Jira, Database
Full Stack Developer: Python, HTML, CSS, JavaScript, C++, React, Django, Machine Learning, Artificial Intelligence
Other Skills: Code-Level Accuracy, Cognitive Agility, Foundational Programming Skills, Communication, Collaborate, Front-End, Software Development, Optimized for Clarity

AWARDS

Certification for Techzibition 2022 — Cognizance 2022 — IIT Roorkee   *Mar 2022*

- Built an end-to-end AI system to predict risks of heart attack, stroke, and diabetes using ML models.
- Deployed full-stack solution with Django, Python, HTML/CSS, and JavaScript for real-time health analytics.

Best Technical Paper by IBM ICE 2022   *May 2022*

- Built an end-to-end AI system to predict risks of heart attack, stroke, and diabetes using ML models.
- Deployed full-stack solution with Django, Python, HTML/CSS, and JavaScript for real-time health analytics.

Star Award by Tata Consultancy Services   *Feb 2025*

- Recognized with the Star Award for outstanding performance and timely delivery within a high-pressure

CERTIFICATIONS

HTML, CSS, and Javascript for Web Developers	*Coursera – XW96MJD5JY9M, Jun 2022*
Introduction to TensorFlow for AI, ML, and DL	*Coursera – X4GA6ENPV2ZG, Dec 2022*
Natural Language Processing in TensorFlow	*Coursera – MEC5NNT3LMM9, Jan 2023*
Convolutional Neural Networks in TensorFlow	*Coursera – XLYCMCNAY6MK, Jan 2023*

LANGUAGES

English ● Hindi