Kaisar Salim Attar

Assistant Professor — Artificial Intelligence & Machine Learning

Pusegaon,Satara, Maharashtra, India

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Summary

• Assistant Professor in the Department of Artificial Intelligence with 1.5 years of teaching experience and strong academic foundation in Artificial Intelligence, Machine Learning, Data Science, and Python Programming.

• Currently pursuing M.Tech in Artificial Intelligence with a current SGPA of 8.62, demonstrating commitment to advanced learning and research.

• Experienced in delivering theory and laboratory sessions, mentoring students, guiding academic projects, and supporting outcome-based education practices.

• Serving as Placement Coordinator, facilitating internships, industry interactions, skill development programs, and placement opportunities for students.

• Skilled in Python, Machine Learning, Deep Learning, Data Science, Natural Language Processing, TensorFlow, PyTorch, and Generative AI technologies.

Education

G.H. Raisoni University, Amravati **2025 – Pursuing**
Master of Technology (M.Tech) in Artificial Intelligence *Current SGPA: 8.62*

ISBM College of Engineering, Pune **Mar. 2020 – Apr. 2024**
Bachelor of Engineering (B.E.) in Artificial Intelligence & Machine Learning *CGPA: 8.38 — First Class with Distinction*
Affiliated to Savitribai Phule Pune University, Pune, Maharashtra

Experience

Yashwantrao Chavan Institute of Science **Jan 2025 – Present**
Assistant Professor, Department of Artificial Intelligence *Satara, Maharashtra*

- Teaching undergraduate courses in Artificial Intelligence, Machine Learning, Data Science, and Python Programming through theory and practical laboratory sessions.
- Preparing lesson plans, laboratory manuals, assignments, question banks, and academic documentation in accordance with university guidelines and Outcome-Based Education (OBE) practices.
- Mentoring students in academic projects, technical competitions, internship preparation, and career development activities.
- Guiding students in the implementation of Artificial Intelligence and Machine Learning projects using Python, TensorFlow, PyTorch, and related technologies.
- Serving as Placement Coordinator and actively collaborating with industry professionals and organizations to facilitate internships, industrial training, and placement opportunities for students.
- Coordinating placement drives, technical training sessions, aptitude preparation programs, and industry-academia interaction activities.

Quivonex Solutions Pvt. Ltd. **Jun 2024 – Jan 2025**
AI Python Developer *Satara, Maharashtra*

- Designed and developed scalable backend applications and RESTful APIs using Python, Django, and Django REST Framework for AI-driven solutions.
- Developed Machine Learning models for predictive analytics, classification, and intelligent automation using Scikit-Learn, TensorFlow, and PyTorch.
- Implemented an EV Battery Depletion Prediction System utilizing Machine Learning algorithms for performance analysis and battery health forecasting.
- Developed a Smart Attendance Management System using Computer Vision and Face Recognition techniques with OpenCV and Python.
- Worked with cloud platforms and database technologies for deployment, monitoring, and maintenance of AI-based applications and services.
- Collaborated with cross-functional teams throughout the software development lifecycle, including requirement analysis, development, testing, deployment, and maintenance.

Assistant Software Engineer Intern **Jun 2023 – Dec 2023**
Software Developer Intern *Remote*

- Developed web applications and backend services using Python, Django, and MySQL.
- Performed database design, query optimization, and API integration to improve application performance and reliability.
- Contributed to software testing, debugging, documentation, and deployment activities in a collaborative development environment.
- Gained practical exposure to software engineering practices, version control systems, and continuous integration workflows.

Technical Skills

• **Programming Languages:** Python, C, C++, Java, PL/SQL

• **Artificial Intelligence & Machine Learning:** Artificial Intelligence, Machine Learning, Supervised Learning, Unsupervised Learning, Reinforcement Learning, Feature Engineering, Model Evaluation, Predictive Analytics

• **Deep Learning & Neural Networks:** Artificial Neural Networks (ANN), Convolutional Neural Networks (CNN), Recurrent Neural Networks (RNN), LSTM, Transfer Learning, Deep Learning Model Development

• **Generative AI & LLMs:** Generative AI, Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), Prompt Engineering, Vector Databases, Embedding Models, AI Assistants

• **Frameworks & Libraries:** TensorFlow, PyTorch, Scikit-Learn, Keras, NumPy, Pandas, OpenCV, Matplotlib, Flask, Django, Django REST Framework

• **Data Science & Analytics:** Data Preprocessing, Data Cleaning, Exploratory Data Analysis (EDA), Data Transformation, Statistical Analysis, Data Visualization

• **Databases:** MongoDB, MySQL, PostgreSQL, NoSQL Databases

• **Developer Tools:** VS Code, Jupyter Notebook, Google Colab, Git, GitHub, Postman

• **Cloud & Deployment:** AWS, Microsoft Azure, Google Cloud Platform (GCP), Model Deployment, REST API Development

• **DevOps & CI/CD:** Jenkins, Version Control, Software Development Lifecycle (SDLC)

• **Data Visualization:** Power BI, Matplotlib

Projects

Smart Attendance System | *Python, OpenCV, Face Recognition, Django REST Framework*

- Developed an AI-powered attendance management system using Computer Vision and Face Recognition techniques for automated attendance tracking.
- Implemented real-time face detection and recognition using OpenCV and machine learning-based image processing techniques.
- Designed RESTful APIs using Django REST Framework for seamless integration with web-based administrative modules.

Stock Management System | *Python, Django REST Framework, MySQL*

- Developed a centralized inventory management system with QR/Barcode-based product tracking and monitoring.
- Implemented automated stock analysis and expiry monitoring functionalities for efficient inventory control.
- Designed scalable backend APIs and database architecture for inventory data management and reporting.

EV Battery Depletion Prediction System | *Python, Machine Learning, Scikit-Learn*

- Developed a Machine Learning model for battery depletion prediction using Random Forest algorithms and predictive analytics techniques.
- Performed data preprocessing, feature engineering, model training, and performance evaluation on electric vehicle datasets.
- Analyzed driving behavior and battery usage patterns to improve prediction accuracy and battery health assessment.

Subjects Taught & Research Interests

- Artificial Intelligence
- Machine Learning
- Deep Learning
- Neural Networks
- RAG (Retrieval-Augmented Generation)
- Python Programming
- Data Science
- Django Framework (REST)
- Computer Vision
- Natural Language Processing

Academic Engagements & Professional Development

- Attended 3 Faculty Development Programs (FDPs) focused on emerging technologies, Artificial Intelligence, Machine Learning, and modern teaching-learning methodologies.
- Participated in various Academic Certification Programs, Workshops, and Technical Training Sessions to enhance domain knowledge and teaching effectiveness.
- Contributed as an Industry Expert and Resource Person in academic-industry interaction activities, sharing practical insights on Artificial Intelligence and software development practices.
- Participated in National and International Conferences related to Artificial Intelligence, Machine Learning, Data Science, and emerging technologies.
- Actively engaged in continuous professional development through technical seminars, webinars, and knowledge-sharing sessions.