

Tushar Patil

Profile

Dedicated and results-driven professional with a proven track record of excellence in Artificial Intelligence and Machine Learning. Adept at leveraging a unique blend of skills, including TensorFlow, PyTorch, Kafka, Computer Vision, NLP, Predictive Analysis, Machine Learning, Data Analysis, Deep Learning, Time Series Analysis, Software Development, Agile and Scrum Methodologies, Docker, Troubleshooting and Problem Solving, Cross-Functional Collaboration, Leadership and Team Management, Technical Writing, Customer Relationship Management, and Tech Services to drive tangible, business-critical outcomes. With a commitment to continuous improvement, I thrive in fast-paced environments where I can apply my analytical, problem-solving, and innovative abilities to streamline processes and enhance overall efficiency.

Employment History

Software Engineer - Alcatel Lucent Enterprise, Bengaluru

August 2023 - Current : As a Software Engineer at ALE, I have been instrumental in bridging the worlds of software development and machine learning. I am specialized in integrating cutting-edge machine learning solutions into ALE products, leveraging hands-on experience with technologies like Kafka to create innovative, data-driven features. My role at ALE has allowed me to apply my expertise in software development and machine learning to drive the company's mission of delivering intelligent and data-driven solutions to our clients.

NLP Research Intern - DRDO – DEBEL, Bengaluru

December 2022 – May 2023: Developed & implemented an innovative NER model to enhance accuracy, efficiency, generalization and reviewed, evaluated NER models on benchmark datasets.

NLP Research Intern - Rank IT Vision Pvt Ltd, Bengaluru

August 2022 – November 2022: Integrated NLP models such as Coqui-TTS and Glow-TTS models in a Docker container for multi-linguistic Text-To-Speech engines using Python, PyTorch, and TensorFlow.

Assistant System Engineer - Tata Consultancy Services, Pune

November 2020 – July 2021: Testing and analyzing IT Software and Systems. Collaborating with customers and internal departments to ensure that IT needs are met. Documenting processes and maintaining records.

Android Developer - Technomind Solutions, Belgaum

February 2020 – April 2020: Responsible for the design, coding, unit testing, and documentation of software components and features. Fully embedded in fast pace software agile development.

Education

Artificial Intelligence and Machine Learning - MS Ramaiah University of Applied Sciences

February 2022 – August 2023

- Completed my Master's with CGPA of 9.82 and received Gold Medal.
- Worked on System and Method for Diagnosis and Risk Stratification of Odontogenic Keratocysts from Histopathological Images of Incisional Biopsies as dissertation project and filed a Provisional patent application at Indian Patent Office.
- Worked on An Ensemble Deep Learning Algorithm to Predict PM2.5 Concentration Levels in Bengaluru's Atmosphere. (2023) and published paper in Springer - ICACDS (DOI: 10.1007/978-3-031-37940-6_26)

Computer Science and Engineering - Jain College of Engineering, Belgaum

August 2016 – July 2020

- Completed my Bachelor's with a CGPA of 7.77
- Best Project Awardee for Karnataka State Council for Science and Technology Student Project Program in Agriculture Sector for the year 2020.
- Finalist at InfraMind Season 3 conducted by TCS - 2019.
- Finalist at E-Yantra Competition held at IIT-Bombay - 2018-19
- Runner Up at KLE Google IO Competition - 2018.

Personal Information

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<https://github.com/TusharPatil-98>

Professional skills

- Tensorflow
- PyTorch
- Data Analysis
- Data Visualization
- Python Programming
- C / C++ Programming
- Computer Vision
- Deep Learning
- Natural Language Processing
- Kafka
- MLOps
- ML Modelling
- R Programming
- Dockers
- MySQL

Projects

- [Time-Series analysis of PM2.5 Trend using TensorFlow](#)
- Classification of Odontogenic Keratocyst from Non-Odontogenic Keratocyst in Histopathology images using Deep Learning
- Automated Osteoporosis Detection In Women From Jaw X - Rays using Deep Learning
- [Chatbot using GPT-2](#)
- [Object Detection using PyTorch](#)
- [Face GAN using PyTorch](#)
- KRUSHIVEDA
- AR Enabled Indoor Navigation Android App

Certifications

- TensorFlow Developer Certificate
- AI for Medical Diagnosis (Coursera)