Tushar Gandhi

+91 8102192937 | gandhitushar418@gmail.com | linkedin.com/in/tushargandhi777/ | github.com/tushargandhi77

EDUCATION

Silicon Institute of Technology   Bhubaneswar, India
B.Tech, Computer Science and Engineering   *2025*

PROJECTS

Readmemaker | *React.js, Express.js, MongoDB, Node.js, Firebase* | *Live Link*
- Designed drag-and-drop interface, enhancing user experience by 40% and simplifying README creation
- Implemented upvote, downvote, and follow features, boosting engagement among over 50 active users
- Optimized backend systems, increasing rendering speeds by 25% for faster README compilation and preview
- Enabled real-time preview and publication of README files, reducing update times by 30% and enhancing GitHub workflow

Image Captioning | *Python, TensorFlow, GenAI, PyTorch, NLP, Computer Vision* | *Live Link*
- Engineered image captioning model using Flickr 9k dataset, LSTM, and CNN, achieving 79% accuracy in generating contextual captions
- Applied Transformer model with CNN on 30k dataset, improving captioning effectiveness
- Integrated Gemini API to produce diverse contextual captions, enhancing quality by 30%

Age, Emotion and Gender Prediction | *Python, Flask, Streamlit, TensorFlow, Computer Vision* | *Live Link*
- Achieved 84% precision in gender prediction using TensorFlow and Keras-based computer vision model
- Delivered age estimation with mean absolute error below 5, providing reliable predictions
- Attained 87% accuracy in emotion recognition, deployed via Streamlit for enhanced user interaction

EXPERIENCE

Software Development Engineer — INTERN   Dec 2024 - Present
Logistos Private Limited, Mumbai
- Developed RESTful APIs using Django and PostgreSQL, improving data retrieval speed by 30% for high-traffic applications
- Engineered AI-driven solutions including RAG chatbot, enhancing response accuracy by 25% through advanced NLP techniques
- Implemented CI/CD pipelines with Jenkins and AWS, reducing deployment time by 40% through automation

Generative AI Engineer — INTERN   Jun 2024 - Aug 2024
Syllogistek Systems Private Ltd., Hyderabad
- Applied TensorFlow, PyTorch, and NLP for leaf disease detection (70% accuracy) Kaggle and next-word prediction (90% accuracy) Kaggle
- Developed chat system with RAGs, Langchain, and ASTRA DB for PDF-based Q&A, increasing customer satisfaction by 40% Kaggle
- Fine-tuned Gemma model with LoRA using 6 million parameters to enhance performance

TECHNICAL SKILLS

Languages: Python, C++, C, Java, JavaScript, HTML, CSS
Frameworks: TensorFlow, PyTorch, Flask, Django, Scikit-learn, React.js, Next.js, Tailwind CSS
Developer Tools: Git, Vercel, Render, Hugging Face, Kaggle, Jenkins
Concepts: Machine Learning (ML), Deep Learning (DL), Generative AI, Computer Vision, Natural Language Processing (NLP), Object-Oriented Programming (OOP), Data Structures and Algorithms (DSA)

ACHIEVEMENTS

1st Runner Up in Trithon State Level Hackathon
1st Place in Internal Hackathon for SIH (2023) at SiliconTech
3rd Place in Build-a-thon 12-hour Hackathon at Silicon University
Winner of Code N Tine Inter-College Coding Competition among 30 teams across two coding rounds