Ayushmaan Das

Bachelor of Technology
Artificial Intelligence and Machine Learning Engineer
Software Developer, Data Analyst and Web Developer

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EDUCATION

•Sri Ramachandra Faculty of Engineering and Technology, SRIHER *2021-25*

B.Tech Computer Science and Engineering (Artificial Intelligence and Machine Learning) CGPA/Percentage: 9.89

EXPERIENCE

•Upraised (JobStop Inc.) *June 2024 - January 2025*

Python Software Developer (AI-ML Team) Remote

– Automation, RAG Model, SaaS Architecture, Transformers, Hugging Face, Open AI Devs, Flask, MongoDB

•RecruitNXT *February 2023 - November 2023*

Python Developer and ML Intern Remote

– Machine Learning, NLP, Named Entity Recognition (NER), Computer Vision, Web Scrapping, Flask.

PERSONAL PROJECTS

•GlossaCompiler - Text-to-Code for Young-Learners *2021- 2024*

PyTorch-based Transformer model for coding assistance with live IDE for generated code compilation

– Tools & technologies used: PyTorch, NLP, Transformers, Judge0 API, Flask, React, CORSS
– A web application using Flask backend and React frontend, transformer-based model and Judge0-based IDE.

•Spotify Music Recommendation Engine *November 2024*

Music suggestions for users based from song input or emotion detection from face through camera

– Tools & technologies used: Tensorflow, Keras, Cosine Similarity, Convulational Neural Networks, Steamlit
– Emotion Detection deep learning architecture was custom designed, alongside normal song recommendation.

•Named Entity Recognition from Resumes and Summarising Resumes *June 2023*

Automating the process of Hiring, Shortlisting and filtering candidates

– Tools & technologies used: SpaCy, Docanno, Gradio, Fast API, MongoDB Atlas, NLP
– Recognizing essential entities and information from the resumes by custom building model from scratch.

•ANPR with Live Dashboard, Database and Chat bot *February 2023*

A convinient platform to manage vehicular traffic movement and tracking

– Tools & technologies used: Tensorflow, Keras, Power BI, PandasAI, Sheets API, Flask, Streamlit, Deep Learning
– Detecting number, storing them and connecting Live Dashboard alongside Chat bot implementation.

•Streaming Highway Traffic Alerts using Twitter API *July 2022*

An application to know about city-traffic from updates through Twitter API

– Tools & technologies used: Scikit-Learn, Streamlit, Twitter API, Machine Learning Classification, NLP
– Machine-Learning application classifies and enables the users to fetch traffic-related tweets from Twitter API.

SKILLS AND INTERESTS

Programming Languages: Python (Core Language), Basic knowledge of C, C++, Java and JavaScript
Tools and Technologies: Tensorflow, Keras, PyTorch, Scikit-Learn, OpenCV, Hugging Face, SpaCy
Frameworks: Flask, Streamlit, FastAPI, Gradio, ExpressJS, Angular, React, Node.js
Cloud/Databases: MySQL, Postgres SQL, Mongo DB, Amazon Web Services (AWS), Azure Dev Ops, Koyeb
Soft Skills: Communication, Problem Solving, Critical Thinking, Time Management, Curiosity, Leadership, Creativity
Other Techs: Tableau , Power BI, Docker, Git, GitHub, Postman, Linux, Visual Studio,
Areas of Interest: Machine Learning, Deep Learning, Natural Language Processing, Data Analytics and Visualization, Computer Vision, Artificial Intelligence, Database Management, Web Development Automation & Testing
Linguistics: English (Conversational, Read and Write), Hindi and Bengali (Native, Bilingual, Read and Write)

ACHIEVEMENTS

•Research Day Winner (2024) Best presenting a project idea, with implementation *2024*

•Founder Chancellor Cash Award (SRIHER) Winner for excellent academic performance *2023*

•Book Chapter in Advancement of Data Processing Methods for Artificial & Computing Intelligence *2022*