Harsh Tiwari

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EDUCATION

AMITY UNIVERSITY

B.Tech in Computer Science
August 2017- May 2021
Lucknow, India

LINKS

Github:// **h-tiwari-dev**
LinkedIn:// **tiwari-ai-harsh**
Website:// **tiwariaiharsh.com**

COURSEWORK

DEEP LEARNING - SPECIALIZATION

Neural Networks,
LSTM,
CNN implementation in Python,
Practical use in Tensor-Flow and PyTorch

ALGORITHM AND DATA - STRUCTURE SPECIALIZATION

Various algorithms and data structure implementation in C.

SKILLS

PROGRAMMING LANGUAGES

Python • Java • GoLang • Rust • C++ • SQL

WEB DEVELOPMENT

AngularJs • ReactJs • Node Js • HTML/CSS/JavaScript/JQuery • TypeScript

DATABASES

MySQL • Postgres • MongoDB

TOOLS AND ENVIRONMENTS

Bash • Git • GitHub • Linux • Terminal • Code • Vim • JupyterLab • Android Studio

TECHNOLOGIES AND FRAMEWORKS

Deep Learning • Mocha, Chai • PyTorch • Nest Js • TensorFlow • Next Js

EXPERIENCE

CASTLER | Full Stack Developer

July-2021 - August-2023 | Delhi, India

- Optimised MongoDB queries, resulting in a 70% reduction in response time.
- Achieved 99.9% uptime by writing highly performant micro-services for Yes Bank and RBL bank integrations.
- Designed schemas for mission critical database migration from MongoDB to MySQL.
- Designed and developed new frontend in ReactJs for Enterprise platform from scratch.
- Designed and implemented infrastructure to dynamically create and run finite state machine for each unique and customizable transaction journey.

WIKILIMO | Machine Learning Intern

June 2020 – September 2020 | Remote

- Developed machine learning models for weather forecasting.
- Improved accuracy of models by 79% by using CNNs and LSTM together.
- Generated highly detailed weather anomaly reports, providing critical insights.

LAKSHAT | Web Developer

2018 – 2019 | Lucknow, India

- Designed and developed custom websites for clients using Node.js, HTML, CSS, and JavaScript, TypeScript.
- Implemented responsive design, resulting in a 25% increase in mobile traffic.

PROJECTS

DEEP LEARNING TEXT READER

- A deep learning system to generate text from images. It uses an Encoder-Decoder network with an attention mechanism. The features have been extracted from Convolutional layers and used to generate text from images using LSTM decoder layers.

AWARDS

- Won the internal college Hackathon for Smart Driving Assistance.
- Winner of Map My India hackathon as a teamleader.
- Won Internal College Chatbot Hackathon.
- Won Best App Design and Implementation award.