

# Harsh Tiwari

(+91) 7355517759 · h.tiwari.dev@gmail.com · tiwariharsh.com ·

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## WORK EXPERIENCE

(more at <https://github.com/h-tiwari-dev>)

### FullStackDeveloper

### CASTLER

2021 – Present

- Implemented front end in ReactJs with Typescript in MERN stack.
- MongoDB database optimization, reduced query time by 70%.
- Created core architecture using TypeORM for migration from MongoDB to MySQL.
- Migrating front end of the enterprise application from Angular to ReactJS using Typescript.
- Implemented and handled a Laravel based application for providing buyer-seller client an escrow solution.
- Integrated YES and RBL bank's api with our solution.
- Investigated and fixed multiple security vulnerability like CORS, weak algorithm for JWT generation, missing security headers.

### Machine Learning Intern

### WIKILIMO

June 2020 – September 2021

- Tasked to create machine learning models for Weather forecasting and anomalies prediction. I trained and modeled multiple machine learning algorithms to solve complex weather forecasting problems.

### Web Developer

### Lakshat

2018 – 2019

- Developed and managed both the front end and the backend of various custom websites for customers. I worked with different technologies like- WordPress, node js, HTML, and CSS, as per the client's needs.

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## EDUCATION

### Amity University

B.Tech in Computer Science – August 2017 - May 2021

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## COURSEWORK

- **Deep Learning Specialization:** Neural Networks, LSTM, CNN implementation in Python, practical use in TensorFlow and PyTorch.
- **Algorithm and Data Structure Specialization:** Implementation in C.

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## PROJECTS

(more at <https://github.com/h-tiwari-dev?tab=repositories>)

### DEEP LEARNING TEXT READER

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- A deep learning system to generate text from the 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.

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## HONORS/AWARDS

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

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## SKILLS

- **Programming (Proficient):** Python • Rust • HTML/CSS/JavaScript/JQuery • TypeScript
- **Programming (Familiar):** BASH • GoLang • Java • MySQL • Postgres • Vite • C++
- **Framework:** React Js • Angular • Node Js • Mocha, Chai • PyTorch • Nest Js • TensorFlow • Next Js
- **Technologies:** Frontend Development (Angular, ReactJs) • Backend Development (Node Js) • MongoDB • SQL • SQL Deep Learning • Android Development (Flutter)
- **Tools:** Linux • Terminal • Git • GitHub • Code • JupyterLab • Android Studio • Vim