

ANIRUDH GIRI

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A dedicated and hardworking individual seeking an opportunity to work for an organization in the field of Software Engineering. I believe my fast learning abilities, thirst for improvement, and the possession of the relevant skills and studies make me the perfect fit for your organization.

TECHNICAL SKILLS AND KNOWLEDGE

Languages: JavaScript (and NodeJS), Typescript, Java, Python, C, C++, Ruby, Go, PostgreSQL, MongoDB

Concepts and Tools: Version Control with Git, Client and Server side Development, DevOps, CI/CD and Unit Testing, Server side hosting and management with Heroku and AWS

Operating Systems: Windows and Linux

ACADEMIC QUALIFICATIONS

Good Earth School – ICSE/ISC

Graduated March 2018

Graduated with a score of 98/100 in Computer Science

SRM Institute of Science and Technology, Kattankulathur

Graduation – April 2022

B.Tech degree in Computer Science Engineering with a specialization in Software Engineering

PROJECT EXPERIENCE

TinyNN4J

TinyNN4J (Tiny Neural Network For Java), a fast and lightweight neural network library built using **Java** to create and train artificial and deep neural networks in a quick, easy and intuitive manner.

TriviaBot

A Chat Bot built using **JavaScript** with **NodeJS** and hosted on **Heroku**, that asks professional wrestling related trivia questions with a 10 second window to answer and be a trivia champion. Built as a job for a client - IWD (Internet Wrestling Discord) - according to their requirements.

PredictionsBot

A Chat Bot built using **JavaScript** with **NodeJS** and hosted on **Heroku**, that handles Google Form submissions and perform various tasks on the data using **PostgreSQL** and the **Google Sheets API**. Built as a job for a client - IWD (Internet Wrestling Discord) - according to their requirements.

Paper Presentation – Silver Medal (WNN : File Format for Neural Network Interchange)

Silver medal won at SRM Research Day 2020 for presenting a research paper written about a standardized file format for storing neural network models.

Sudoku Self Solver

GUI Sudoku program written using **Processing3** that can find the solution to any incomplete Sudoku puzzle using the backtracking algorithm.

deno-matrix

A lightweight **Deno** library written in **Typescript** to handle matrix operations.

jSimpleCSV

A lightweight **Java** library to read from, write to and manipulate CSV files

..and many more can be found at my GitHub profile <https://www.github.com/anirudhgiri>

COURSES, WORKSHOPS AND CERTIFICATIONS

Top Engineers Workshop – Python3

Workshop – Top Engineers

Skills Learned: Fundamentals of Python, Datastructures and Algorithms

Top Engineers Workshop – Introduction to Machine Learning using Python3

Workshop – Top Engineers

Skills Learned: Introduction to Neural Networks, Classification and Regression, Backpropagation, Gradient Descent, LSTM

Lema Labs Workshop – Machine Learning using Jupyter Notebooks

Workshop – Top Engineers

Skills Learned: Univariate Linear Regression, Gradient Descent, Handwritten Digit Classification

Front-End Web UI Frameworks and Tools – Bootstrap 4

Coursera – The Hong Kong University of Science and Technology

Skills Learned: jQuery, Bootstrap CSS Bootstrap JS, Bootstrap Animations, Sass, Less, Grunt and Gulp

Front-End Web Development with React

Coursera – The Hong Kong University of Science and Technology

Skills Learned: The React Framework, JSX, React Router, Reactstrap, Redux, Redux Thunk, Introduction to Representational State Transfer (REST), Fetch API, and React Animations

Multiplatform Mobile App Development with React Native

Coursera – The Hong Kong University of Science and Technology

Skills Learned: React Native Components, React Native Navigation, React Native with Redux, Animations, Gestures, Notifications, Images Handling, Networking, The Expo SDK

Server-side Development with NodeJS, Express and MongoDB

Coursera – The Hong Kong University of Science and Technology

Skills Learned: NodeJS, Promises, HTTP and HTTPS, ExpressJS, MongoDB, Mongoose ODM, REST API, Postman, Authentication, Cookies, Sessions, Passport.js, CORS, OAuth, Backend as a service

EXTRACURRICULAR HOBBIES AND INTERESTS

Learning Japanese

Playing Chess

Electronics Hobbyist Projects using Arduino