SHIVA NEELAKANTAN

JUNIOR SOFTWARE DEVELOPER

DETAILS

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106 Fox Hunt Trail
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United States

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EMAIL
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WEBSITES AND LINKS

shivneel.com

GitHub

LinkedIn

SKILLS

Python
● ● ● ● ●

Data Visualization
● ● ● ● ●

Machine Learning
● ● ● ● ○

HTML & CSS
● ● ● ● ○

JavaScript
● ● ● ● ○

React JS
● ● ● ○ ○

Git
● ● ● ● ●

SQL
● ● ● ○ ○

Java
● ● ● ○ ○

AWS
● ● ● ○ ○

ORGANIZATIONS

UNICEF
Chess Club
Society of Automotive
Engineers

VISION STATEMENT

*My vision as an engineer is **to unlock seamless interaction and experience between users and technology.** I aspire to work for a company that shares this vision, and will offer me opportunities to grow my skill set and effectuate meaningful change in the world.*

EDUCATION

B.S. Computer Science, Iowa State University
Ames, IA
Aug 2019 — Dec 2023

- *Minor in Data Science*
- *Minor in Psychology*
- *Semester Honors -- 4 Semesters*
- *Dean's List -- 4 Semesters*

PERSONAL PROJECTS

Front-End Web Developer, shivneel.com
Chicago, IL
Jul 2021 — Aug 2021

- Deployed a personal portfolio website using HTML, CSS, and JavaScript to showcase my vision, skill set and projects
- Implemented powerful JavaScript tool kits such as Anime JS and Font Awesome using Jquery and API documentation to maximize user experience and website design flow
- Optimized accessibility factors by placing an emphasis on website responsiveness to account for different screen sizes and rendering capabilities

Handwriting Recognition Software
Chicago, IL
Jun 2021 — Jul 2021

- Constructed an artificial neural network via Python using logistic regression and vector calculus to predict values of handwritten images
- Employed TensorFlow and Keras machine learning libraries using open-source documentation to streamline network efficiency and optimize model's prediction accuracy
- Generated heat-maps and activation diagrams using Matplotlib and Seaborn data visualization libraries to monitor network's improvement over various epochs

LEADERSHIP EXPERIENCE

Python Instructor, Varsity Tutors
Online
Aug 2020 — Present

- Led private tutoring courses in Python using an online platform to educate students grades 8-12 on computer science principles
- Fostered a collaborative learning environment by encouraging students to freely voice questions and alternative solutions to boost overall engagement
- Concocted learning plans and materials tailored to students' individual needs to ensure no student felt behind or uninterested in the course