Kumar Piyush

India · kr.piyush888@gmail.com · +917903936817 · https://linkedin.com/in/vocarista · https://vocarista.com

SUMMARY

Dedicated software developer experienced in Machine Learning, neural networks, and full-stack development. Proficient in C++, C, Java, JavaScript, TypeScript and Python. Strong problem-solving, communication, and collaboration skills. Eager to contribute to a talented team.

PROJECTS

Portfolio 2.0
https://vocarista.com · July 2023 - July 2023
· Created a fully responsive and dynamic portfolio website.
· Used React.js, Tailwind and zustand in the frontend web app.
· Created 7 individual endpoints to fetch data for various components.
· Server built using express.js.
· Used Notion as the database and created API endpoints using notion API.

Sample Movie Booking Catalog
https://movie-catalog.vocarista.com · May 2023 - May 2023
· Processed data provided through TVmaze's API.
· Created a front-end application for the data including an interface for details, and a form.
· Implemented TailwindCSS utilities to maximize efficiency while designing.
· Used vite as the package bundler and deployed using vercel as PaaS.

EDUCATION

Bachelor of Technology in Computer Science & Engineering
Manipal University Jaipur · Jaipur, Rajasthan · 2026 · 9.93
· Awarded with Dean's List Excellence in Academics for 1st and 2nd semesters.

AISSCE in PCM + English + Informatics Practices
Loyola High School · Patna, Bihar · 2021 · 91.4%
· Served as House Captain for the full term of 2 years.

AISCE
Loyola High School · Patna, Bihar · 2019 · 96.2%

CERTIFICATIONS

Convolutional Neural Networks
Coursera
· Made myself familiar with and studied in-depth the different CNN architectures like LeNet, ImageNet, VGG, U-net, mobile-net etc

Machine Learning Operations (MLOps) Challenge
Microsoft
Learnt the technicalities and processes involved in the life cycle of an ML model built using Microsoft Azure.

Structuring Machine Learning Projects
Coursera
Developed best practices related to dataset organization during the production and deployment of an ML model.

Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization
Coursera
· Learnt the nuances of creating an intricate neural network and fine tuning it, using various hyperparameters..

Neural Networks and Deep Learning
Coursera
Learned the in-depth workings of neural networks without using any deep learning framework.

Machine Learning Specialization
Coursera
· Gained an understanding of the foundational concepts of machine learning through a 3-course specialization.

Frontend Certification Exam Certificate

Codedamn
· Certified in the relevant techniques and concepts involved during the development of frontend React.js applications.

Advanced React Concepts
Codedamn
· Learnt React.js which involved but is not limited to the project structure, DOM manipulation, State management, basic and advanced hooks and data fetching.

INVOLVEMENT

Event Coordinator
Manipal University Jaipur · Randomize(); MUJ · February 2023 – May 2023
· Involved in the ideation and logistical implementations of technical events.
· Managed a team of 5 people tasked with data collection and filtering for potential sponsorships.
· Managed a team of 18 people tasked with the promotions and management of 2 technical sessions.

SKILLS

ML: Python, NumPy, Pandas, TensorFlow, Jupyter, Neural Networks, Decision Trees, CNNs, RNNs.
Frontend: HTML, CSS, JavaScript, TypeScript, Tailwind CSS, React.js, Redux, Zustand.
Backend: Node.js, Express.js, MongoDB, Notion, Spring Boot.
Core: C, C++, Java, DSA.
Misc: Git, Linux, GitHub, Chrome dev tools.
Soft skills: Problem Solving, Public Speaking, Leadership, Teamwork, People Management.