

# Kumar Piyush

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## SUMMARY

Dedicated software developer experienced in Full Stack Development and Machine Learning. Experience working with React.js, Next.js, Express.js, Spring Boot, JWT and Docker. Proficient in C++, C, Java, JavaScript, TypeScript and Python. Strong problem-solving, communication, and collaboration skills. Eager to contribute to a talented team.

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## PROJECTS

### Shoptown

<https://shoptown.vocarista.com> • September 2023 – November 2023

- Developed an Ecommerce website with authentication and ability to store user information.
- Tech Stack: Frontend: React.js, RadixUI, daisyUI. Bootstrap, TailwindCSS, Zustand.
- Backend: Spring Boot, JWT, MongoDB Atlas, Docker.
- PaaS: render[dot]com used as the hosting service.

### 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.

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## 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%

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## 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.

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## 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.

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## SKILLS

**ML:** Python, NumPy, Pandas, TensorFlow, Jupyter, Neural Networks, Decision Trees, CNNs, RNNs.

**Frontend:** HTML, CSS, JavaScript, TypeScript, Tailwind CSS, React.js, Next.js, Redux, Zustand.

**Backend:** Node.js, Express.js, MongoDB, Notion, Spring Boot, JWT.

**Core:** C, C++, Java, DSA.

**Misc:** Git, Linux, GitHub, Chrome dev tools.

**Soft skills:** Problem Solving, Public Speaking, Leadership, Teamwork, People Management.