Kumar Piyush

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Education

Manipal University Jaipur	Expected July 2026
Bachelor of Technology in Computer Science & Engineering (CGPA: 9.89 / 10)	*Jaipur, Rajasthan*

- **Relevant Coursework:** Data Structures and Algorithms (C), Object Oriented Programming (Java), RDBMS (MySQL), Operating Systems

Loyola High School, Patna	July 2021
AISSCE in PCM + IP + English (91.4%)	*Patna, Bihar*

- **Extra-Curriculars:** Served as the School House Captain

Loyola High School, Patna	July 2019
AISCE/Matrciculation (96.2%)	*Patna, Bihar*

Experience

Manipal University Jaipur	Dec 2023 - Present
Undergraduate Researcher	*Jaipur, Rajasthan*

- Worked on CKD prediction modelling and ways of augmenting the dataset for improved accuracy.
- Studied the feasibility of GAN for accurate data synthesis for a more robust prediction model.

Projects

Journum | *React.js, TailwindCSS, Bootstrap, RadixUI, Next.js, React Native, MySQL, AWS, Express.js*
- Developing an online journaling applicaton with the ability to analyse the text of a journal to rate the mental well-being of the person.
- Implementing a mood-graph feature that shows the historical mental well-being of the user
- Developing a web-app using next.js and a cross-platform mobile application using React Native

Shoptown | *React.js, TailwindCSS, Bootstrap, RadixUI, Spring Boot, JWT Authentication, Docker*
- Developed an Ecommerce website with authentication and ability to store user information.
- Designed and deployed a scalable RESTful API built using Spring Boot in Java in under a week
- Implemented a robust and fully responsive React frontend and styled using TailwindCSS, RadixUI and Bootstrap

Portfolio 2.0 | *React.js, Node.js, Express.js, Notion API, TailwindCSS, Framer Motion*
- Developed a dynamic Portfolio website for myself.
- Used Notion as the database and Notion API to serve the data to the client application
- Designed using TailwindCSS and framer motion for smooth animations and a consistent design language

Certifications

Sequence Models | Deeplearning.ai | Coursera | Feb 2024
Programming, Data Structures and Algorithms using Python | NPTEL | Sep 2023
Convolutional Neural Networks (CNN) | Deeplearning.ai | Coursera | Sep 2023
Structuring Machine Learning Projects | Deeplearning.ai | Coursera | July 2023
Improving Deep Neural Networks | Deeplearning.ai | Coursera | July 2023
Neural Networks and Deep Learning | Deeplearning.ai | Coursera | July 2023
Machine Learning Specialization | Deeplearning.ai | Coursera | June 2023
Frontend Certification Exam Certificate | Codedamn | June 2023
Advanced React Concepts Certificate | Codedamn | April 2023
Java Foundations Learner | Oracle | Nov 2023

Technical Skills

Languages: C, C++, Java, Python, Javascript, Typescript
Technologies: React.js, Node.js, Express.js, Spring Boot, Docker, Linux, AWS, TailwindCSS, Bootstrap, Tensorflow, Keras, Redux, NumPy, Pandas, Jupyter, Vercel, LaTex, JWT
Concepts: Full Stack Development, Frontend Design, System Design, Operating Systems, DevOPS, REST Services, Reactive Services, Machine Learning, Neural Networks, Decision Trees, Data Analysis, Data Augmentation