KUNAL RAJPUT

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EDUCATION

Illinois Institute of Technology, Chicago, IL   August 2023 - May 2025
Master's Degree in Computer Science, GPA 3.33/4

Pune University, India   August 2018 - July 2022
Bachelor of Engineering in Computer Engineering, GPA 3.45/4

SKILLS

- **Languages:** Python, Java, JavaScript, C++, SQL, MongoDB, Flutter, Bash Scripting.
- **Web Technologies:** React, Node.js, Django, AngularJS, HTML5, CSS, Express.js, Tailwind CSS, SCSS.
- **Additional Skills:** Git, Scrum, Agile Development, Cloud Computing, Data Structures & Algorithms.
- **Soft Skills:** Problem Solving, Teamwork, Adaptability, Communication, Time Management.

WORK EXPERIENCE

Software Developer

Persistent Systems, Pune, India   June 2022 - July 2023
- Innovated an efficient Textile Process Management Software for a client, crucially reducing operational costs by 60%, manpower and enhancing efficiency of current business model.
- Dealt with extensive data and conducted precise numerical computations and orchestrated more than 10 operations such as inventory management, production scheduling, quality control, and cost analysis.
- Engineered a Workforce Management Platform for optimizing key functions for 10,000 employees.
- Streamlined more than 15 functionalities such as authentication, onboarding, authorization, employee records, time entry, rate card maintenance, and executed comprehensive attendance tracking.
- Leveraged tools: React, JavaScript, Node.js, Python, Django, SQL, Git, Excel, Responsive Designs.

Software Developer Intern

Persistent Systems, Pune, India   January 2022 - June 2022
- Acquired expertise in Microservices architecture, Spring framework, Spring MVC, Spring Boot, Git, OOP and MERN Stack Development through hands-on training and self-improvement initiatives.

PROJECTS

Blabbr   March 2024
- Developed a comprehensive chat application utilizing MERN Stack, featuring robust login and sign-up feature powered by JWT authentication. Integrated Socket.io for real-time messaging and Zustand for efficient global state management. Designed with a sleek interface using Tailwind CSS and Daisy UI, ensuring seamless deployment.

Sign Language Detector   February 2024
- Implemented a prototype of gesture detection utilizing LSTM Deep Learning Model, Action Detection, MediaPipe Holistic Keypoints, TensorFlow, and Keras for real-time prediction and decoding of sign languages.

Kiri AI   December 2023
- Created a advanced voice assistant app for Android/iOS with Dart and Flutter, synthesizing speech recognition & Restful API. Implemented Open AI APIs for dynamic intelligent text generated responses and image generation, elevating user engagement.

Netflix Clone   October 2023
- Engineered a cutting-edge Netflix replica with AngularJS, Tailwind CSS, and HTML5, featuring seamless Google authentication and user login functionalities. Combined SwiperJS for intuitive content navigation and dynamically curated a vast array of movies through the TMDB API, offering users an immersive streaming experience reminiscent of official Netflix application.

Stock Market Price Prediction   January 2023
- Leveraged LSTM neural networks for precise stock price prediction, extracting and preprocessing extensive historical data through the Tiingo API. Engineered a sophisticated TensorFlow Keras model, integrating multiple LSTM layers, and assessed predictions using RMSE metrics, affirming LSTM's unparalleled efficacy in mastering time series forecasting.