

# SHASHANK SRIVASTAVA

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## SUMMARY

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Proficient in full-stack development, machine learning, and data visualization, with hands-on experience building real-world projects across all three domains.

## EDUCATION

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### Bachelor of Technology, Computer Science

THE NORTHCAP UNIVERSITY

Cumulative GPA: 8.3/10

2022 – Present

Gurugram, Haryana

### Class XII (CBSE)

PRAGATI PUBLIC SCHOOL

Percentage~92%

2021

New Delhi

### Class X(CBSE)

PRAGATI PUBLIC SCHOOL

Percentage - 88.6%

2019

New Delhi

## WORK EXPERIENCE

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### Software Developer Intern

JOBLIENT TECHNOLOGIES (*Remote*)

06/2025 – 08/2025

- Contributed to the development of key sections of the Joblient Technologies website using the MERN stack (MongoDB, Express.js, React.js, Node.js).
- Designed modern, responsive UI components in Figma and implemented them in React.js with clean, modular code.
- Built efficient RESTful APIs with Node.js and Express.js to ensure seamless backend operations and smooth data flow.

### Software Intern

TECHOCTANET SERVICES PVT. LTD(*Remote*)

06/2024 – 08/2024

- Developed the front end of a YouTube clone page using HTML, CSS, and JavaScript, implementing features like video layout and responsive design.
- Gained hands-on experience with core web development technologies, enhancing technical proficiency.
- Created a to-do list application, focusing on functionality and interactivity through JavaScript.

## PROJECTS

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### HireVerse

*Candidate Assessment Portal*

- Developed an AI-inspired Candidate Assessment Portal (HireVerse) simulating a modern Applicant Tracking System (ATS) with job posting, candidate tracking, assessments, and interview workflows using React.js for the frontend and Node.js with Express for backend APIs Report major (2)
- Implemented assessment and scoring workflows, test-link generation, interview scheduling, and recruitment analytics using JavaScript, RESTful APIs, and JSON-based data handling with MongoDB as the database Report major (2)
- Designed a responsive and scalable frontend architecture with reusable components and modern UI patterns using Tailwind CSS and shadcn/ui, ensuring clean UX and maintainable code Report major (2)

- Enhanced overall user experience with smooth animations, drag-and-drop pipeline interactions, and visual transitions using Framer Motion, aligned with real-world ATS workflows

### **Deep Learning-Based Parking Occupancy Detection & Demand Forecasting**

- Hybrid Deep Learning Framework: Engineered a dual-component pipeline ("Eye" and "Brain") to automate parking management, replacing manual Region of Interest (ROI) configuration with autonomous object detection and time-series forecasting.
- Real-Time Occupancy Detection: Implemented a RetinaNet model with a ResNet50-V2 backbone and Focal Loss on the PKLot dataset, achieving a Mean Average Precision (mAP) of 0.5909 and a MaP@.50IOU of 0.9038.
- Robust Demand Forecasting: Developed a hybrid CNN-LSTM model trained on a custom-engineered "Super Clean" synthetic dataset to eliminate overfitting, resulting in a 0.9876 \$R^2\$ score for predicting future parking occupancy.
- Technical Stack: Python, TensorFlow, KerasCV, CNN, LSTM, Pandas, NumPy, Scikit-learn, and NVIDIA L4 GPU for high-performance model training and evaluation.

### **StaySphere**

- Developed a full-stack rental booking platform inspired by Airbnb, enabling users to search, list, and book stays.
- Built with Node.js, Express.js, MongoDB, and EJS, implementing RESTful APIs for smooth data handling and backend functionality.
- Designed responsive UI using custom CSS and EJS for server-side rendering, ensuring a seamless user experience.

## **SKILLS**

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### **Technical Skills**

SQL , Node.js, Express.js , REST , HTML + CSS, EJS, React.js, MongoDB , Tableau , Tailwind CSS

### **Languages**

Java, Python, JavaScript

## **CERTIFICATION**

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### **Azure AI Fundamentals (AI-900)**

Certified by Microsoft (Score:  
863/1000)

### **Data Analytics with Python**

Certified by NPTEL