

# Ashutosh Tiwari

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## SUMMARY

Mern stack and Python developer with expertise in back-end and front-end development, skilled at creating high-quality dynamic applications.

## Education

- **Bachelor's degree in computer science:** Noida Institute of Engineering and Technology, Greater Noida | 2020 – 2024 (CGPA: 7.33)
- **Intermediate:** Woodbine Gardenia School, Kanpur | 2019 – 2020 (Percentage: 74%)
- **High School:** Woodbine Gardenia School, Kanpur | 2017 – 2018 (Percentage: 85%)

## TECHNICAL SKILLS

- **Programming Languages:** Python, Java
- **Web Development:** HTML, CSS, JavaScript, TypeScript, Express.js, React.js, Node.js, Nest.js, EJS, Redux, TailwindCSS, GSAP, Restful API
- **Database Management:** MySQL, MongoDB
- **Libraries & Framework:** OpenCV, MediaPipe, Py-Tesseract, PyPDF2, NumPy, Pandas
- **Version Control:** Git

## EXPERIENCE

- **Software Developer Intern:** DigiVista Infotech | March 2024 - August 2024
  - Engineered a robust API in Express.js, and Node.js, enabling seamless data retrieval from a MongoDB database, leading to a 25% reduction in front-end loading time and improved user experience.
  - Developed backend for flight booking system using Nest.js, integrated complex third-party APIs for flight data and stored it in a MongoDB database.
  - Engineered data extraction tool utilizing Python, Py-Tesseract, and Image Processing to extract data from PDF and convert it into excel file, leading to reducing manual entry time by 60% across multiple projects.
  - Volunteered in software design, development, and teamwork to deliver secure and dependable software solutions.

## PROJECTS

- **Flight Booking System**
  - Developed and deployed a robust backend for a flight reservation platform, seamlessly integrating third-party flight APIs to ensure real-time data accuracy.
  - Established a robust user authentication system leveraging JWT, enhanced login security.
  - Implemented advanced database architecture for reliable user and flight data management reduced data retrieval time by 40% and enhanced overall systems stability.
  - **Tech Stack:** HTML, TailwindCSS, TypeScript, Nest.js, React.js, MongoDB
- **Ochi Website** [Link](#)
  - A pixel-perfect clone of the Ochi Design website. This project was a challenge to replicate the sleek, modern design and the unique user experience of the original site.
  - Replicated the interactive features of the original site, ensuring that users experience the same engaging interactions.
  - Enjoy the same smooth scrolling experience, complete with subtle yet impactful animations. Deployed on Vercel, ensuring fast and reliable hosting with continuous deployment capabilities.
  - **Tech Stack:** HTML, TailwindCSS, JavaScript, React.js, Locomotive scrolls, Framer-Motion
- **Sidcup Family Golf Website** [Link](#)
  - This project is a faithful clone of the Sidcup Family Golf website, built using HTML, CSS, and GSAP (GreenSock Animation Platform).
  - The aim of this project was to replicate the original site's design and user experience, focusing on smooth animations, responsive layout, and interactive elements. The project is deployed on Netlify, ensuring fast and reliable hosting with continuous deployment capabilities.
  - **Tech Stack:** HTML, CSS, JavaScript, GSAP (GreenSock Animation Platform)
- **Real-time flight status** [Link](#)
  - Real-time flight status tracking system. It fetches flight data from a MongoDB database and sends notifications via email and SMS whenever there are changes in the flight data using nodemailer and Twilio.
  - Allows users to search for flight details based on flight code and real-time updates to keep users informed about flight statuses.
  - **Tech Stack:** HTML, TailwindCSS, Express.js, React.js, Node.js, MongoDB