

# Manish Tomar

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## Skills

<b>Programming</b>	C, C++, Python, Java, JavaScript, TypeScript, Git
<b>Front-End Development</b>	React.js, Next.js, Redux, HTML, CSS, Tailwind CSS, Material UI
<b>Back-End Development</b>	Node.js, Express.js, Spring Boot, Flask
<b>Database</b>	MongoDB, Mongoose.js, MySQL
<b>Cloud Services</b>	Microsoft Azure, Amazon AWS, CI/CD Pipeline, Docker, Hadoop, VMware, OpenStack
<b>Version Control</b>	GitHub, GitLab, Bitbucket
<b>Miscellaneous</b>	Agile Software Development, OOP, Data Structures and Algorithms

## Experience

### MoonDive, Software Development Engineer | India

June 2023 - September 2023

- Proficient in crafting captivating user interfaces with **Next.js, Tailwind CSS, and Material UI**, leading to a significant boost in user engagement and driving up sales by an impressive percentage.
- Developed and optimized robust **Backend APIs** utilizing Node.js and Express.js, resulting in a 40% reduction in processing time, saving the company 100+ hours per week, and driving a 20% increase in customer satisfaction.
- Efficiently utilized **MongoDB** to manage data, contributing to a noticeable 25% increase in data-driven decision-making and revenue growth.
- Spearheaded the migration of legacy systems to **AWS**, resulting in a 50% increase in system scalability, enabling seamless handling of 10,000+ concurrent users during peak periods.
- Successfully integrated **Google Place API**, enhancing location-based features, which in turn skyrocketed user satisfaction and conversion rates, leading to remarkable profit gains, notably increasing profits by over 40%.
- Developed and deployed advanced recommendation algorithms leveraging **TensorFlow**, resulting in a significant boost in user engagement, with a 30% decrease in churn rate and a 20% increase in average revenue per user.
- Streamlined and automated **CI/CD processes on Amazon AWS**, resulting in 30% faster development cycles and 60% faster deployments, significantly enhancing company agility, efficiency, and profitability.
- Streamlined resource management and enhanced scalability by deploying applications on **Amazon ECS**, driving profit margins upwards by 40% and enabling seamless growth in a rapidly expanding market.
- Recognized with the **Best Team Leadership Award** in a hackathon, showcasing ability to lead teams to deliver results, contributing to enhanced company productivity and profitability.

### Skyscanner, Internship Trainee | Remote

December 2022 - January 2023

- A significant enhancement in **Flask** backend skills was achieved, specializing in the development of efficient and reliable back-end solutions. This proficiency was essential in contributing to high-performance projects.
- Valuable skills in **SQL** database management were developed, allowing for practical experience in designing, optimizing, and overseeing databases. This expertise contributed to maintaining data integrity and accessibility within the organization.
- Collaboration with cross-functional teams, iterative development, and efficient project delivery provided an in-depth understanding of **Agile Methodologies** and their real-world application.

### JPMorgan Chase & Co., Summer Internship | Remote

September 2022 - October 2022

- Acquired a strong foundation in data structures and algorithms with **C++**, enabling efficient **Problem-Solving** and optimization in software development projects.
- Proficiently worked with **Spring Boot**, gaining valuable insights into developing robust and scalable back-end solutions, effectively leveraging Spring Boot's features for building efficient applications.

## Education

Pursuing	<b>MS in Software Engineering</b> , Cardiff University   Cardiff, UK	2023-25
7.9/10	<b>Master's in Computer Applications(HONS)</b> , Madan Mohan Malaviya University of Technology   India	2021-23
7.0/10	<b>Bachelor's in Computer Applications</b> , Chaudhary Charan Singh University   India	2017-20

**Achievements and Awards:** CodeKindler Award @ **Open-Source Contributions** (MMMUT Gorakhpur) | Winner @ Coding Contest (Chaudhary Charan Singh University, Meerut)

**Leadership: Team Leader** (National Software Academy, Cardiff University) | Class Representative (Chaudhary Charan Singh University) | Captain, Dept. Cricket Team (MMMUT, Gorakhpur)

**Courses:** Cyber Security | Internet of Things | AI | ML | Data Science | Agile Software Development | Computer Network | Database Management | Cloud Computing | Web Applications

## Projects

### StudyNavUK

June 2023 - August 2023

#### Personal Project

- Project aims to provide free educational consulting services to students interested in pursuing higher education in the UK, regardless of their chosen field of study.
- A user-friendly web app where students can easily book one-on-one consulting slots with me. The front-end is designed using **React.js**, Tailwind CSS, and Material UI to ensure an intuitive and visually appealing interface.
- Project employs **Node.js and Express.js** for the back end and MongoDB as the database. This combination ensures the system's security and scalability, allowing for the safe storage and retrieval of user information and consultation records.