

# MANPREET SINGH

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Gurgaon, Haryana

in [Linkedin](#)

[Github](#)

[Portfolio](#)

## EDUCATION

### B. Tech. Computer Engineering | Thapar University, Patiala

Aug 2020 – May 2024

- CGPA: 8.39 | Relevant Coursework: Data Structures, Algorithms, Machine Learning, Data Science, Database Management Systems, Web Development

## WORK EXPERIENCE

### RapidShyp | Associate Application Engineer

Jul 2024 – Present

Gurgaon

in [RapidShyp](#)

- Resolved 200+ critical production issues across 10+ microservices, maintaining 99.9% system uptime and reducing operational delays.
- Performed root cause analysis for 50+ high-severity incidents using SQL queries, server logs, and Kafka monitoring, reducing average resolution time by 40%.
- Streamlined investigation workflows by managing access to production systems and logs, enabling P1/P2 ticket resolution within 30 minutes and supporting 5,000+ daily transactions.
- Collaborated in 20+ sprint meetings with product and engineering teams, ensuring business-aligned prioritization, contributing to 85%+ on-time sprint delivery.
- Contributed to a 35% reduction in incident recurrence across three release cycles by enhancing monitoring practices, knowledge documentation, and feedback loops.

## PROJECTS

### NaviGo → [Link](#)

Jan 2024 – Jun 2024

Built a scalable ride-sharing platform with real-time user tracking, dynamic fares, and smart address suggestions. Engineered 30+ React components, secured flows with JWT-based authentication, and built REST APIs for 1,000+ concurrent users. Integrated live geolocation, custom map controls, and robust data validation.

Technologies Used: React.js, Node.js, Express.js, MongoDB, Google Maps API

### MediGenie → [Link](#)

Aug 2023 – Nov 2023

A disease prediction app using ML, trained on 5,000+ records, covering 130+ symptoms and 40+ diseases, with 99% accuracy. Delivers real-time predictions and detailed health insights including precautions, medications, diets, and workouts. Designed a modular Flask backend and responsive Bootstrap UI.

Technologies Used: Python, Flask, Scikit-learn, Pandas, HTML/CSS (Bootstrap)

## TECHNICAL SKILLS

### Languages & Frameworks

- C, C++, Python, JavaScript, SQL • React, Next.js, Node.js, Express.js

### Web & Database Technologies

- HTML, CSS, Bootstrap, Tailwind CSS • MongoDB, MySQL

### Tools & Platforms

- Git, GitHub, VS Code, Jira, MATLAB, Tableau, Colab, Arduino, Ubuntu, AWS

## ACHIEVEMENTS & CERTIFICATIONS

- Solved 500+ Data Structures & Algorithms problems across major platforms, demonstrating strong problem-solving skills.
- Completed Coursera Data Science Specialization, gaining hands-on experience in Machine Learning, R programming, and statistical modeling. [\[Certificate\]](#)
- Earned the AWS Machine Learning Foundations badge from AWS Academy, covering core Machine Learning topics and industry use-cases. [\[Certificate\]](#)
- Published research paper on 'Li-Fi based toll collection system' at ICICC-2025. [\[Certificate\]](#)
- Secured 93.84% in ICSE 10<sup>th</sup> and 90.6% in CBSE 12<sup>th</sup> Board exams, ranking among top academic performers.