MANPREET SINGH

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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]**
- Secured **93.84%** in ICSE 10th and **90.6%** in CBSE 12th Board exams, ranking among top academic performers.