MAYANK SRIVASTAVA

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# OBJECTIVE

Aspiring **Software Engineer** with a strong foundation in **full-stack development, data structures, and machine learning**. Seeking an opportunity to apply technical expertise in **JavaScript, React, Python, and database management** to develop innovative solutions and contribute to impactful projects.

# EDUCATION

**Bachelor of Technology, Computer Science**, Vellore Institute of Technology, Bhopal 2024

Relevant Coursework: Full Stack Development, Python, Operating Systems, Data Structures,

DBMS

CGPA: 8.14

**Senior Secondary Certification, Grade 12**, LBR Sr. Sec School Kota 2019 - 2020

Relevant Coursework: Maths, Physics Chemistry Grade: 89.2

**Higher Secondary Certification, Grade 10**, AECS No 4, Rawatbhata 2017 - 2018

Grade: 87.6

# SKILLS

* **Programming:** Java, Python, JavaScript, HTML, CSS
* **Frontend:** ReactJS, CesiumJS, Bootstrap, ThreeJS
* **Backend:** Node.js, Express.js
* **Databases:** MongoDB, SQL
* **Tools & Platforms:** Git, AWS, Postman, Docker

# EXPERIENCE

**Trainee Decision Scientist** July 2024-(Ongoing)

Mu Sigma Inc. *Onsite*

* Built a **Customer Segmentation Model** using **K-Means clustering**, enabling data-driven marketing and personalized promotions.
* Developed a **full-stack web application** (React, Node.js, Python) for real-time visualization of customer clusters.
* Provided business teams with **interactive insights**, improving customer acquisition, retention, and strategic decision-making.

**SDE Intern, Frontend** Nov 2022 - Mar 2023

Delta V Robotics *Remote*

* Engineered immersive 3D satellite prototype with **ReactJS and ThreeJS**.
* Created dynamic earth **orbit visualization using CesiumJS**.
* Applied advanced **web scraping techniques** for precise satellite tracking and analysis.
* Certificate: Certificate Link

# ACADEMIC PROJECTS

**Customer Segmentation** developed a K-Means clustering model using Python to segment customers and optimize marketing strategies. Built a full-stack web application with React (frontend), Node.js (backend), and Python (model integration) for real-time cluster visualization. Enabled business teams to analyze customer trends and make data-driven decisions efficiently.

**MediCare.** Led development of a healthcare app using ReactJS, Bootstrap, MongoDB, and NodeJS. Enables users to find nearby doctors by entering symptoms and location. Provides comprehensive healthcare provider information for enhanced accessibility to medical services.

# EXTRA-CURRICULAR ACTIVITIES

* Diverse extracurricular pursuits include immersing myself in novels, honing my Table Tennis skills, and enjoying cinematic experiences through movie watching.
* Showcased relentless commitment to mastering problem-solving skills by conquering 400+ challenges on Leet- Code, solidifying proficiency in algorithmic complexities and data structures.