# SARANSH MEHTA

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## EDUCATION:

- **Master of Engineering**: Software Engineering & Intelligent Systems, **January 2023 – December 2024**
  **University of Alberta**, Edmonton, AB
  **GPA:** 3.68/4

- **Bachelor of Technology**: Computer Science and Engineering, **July 2018 – September 2022**
  **Vellore Institute of Technology**, Vellore, India
  **GPA:** 9.14/10

## SKILLS:

- **Programming:** Python, R, Java, C++, Rust, JavaScript, TypeScript
- **Web Development:** HTML5, CSS, jQuery
- **Data Analysis:** Tableau, PowerBI, Excel VBA
- **Frameworks:** React, Node, Express, Redux
- **Database Systems:** MySQL, Microsoft SQL Server, PostgreSQL, MongoDB, DynamoDB, Redis
- **Cloud:** AWS, Microsoft Azure, GCP, Serverless
- **Version Control:** Git, Maven, GitHub/Bitbucket, CICD Automation
- **Testing:** JUnit, Jest, Mocha
- **Software Design and Concepts:** RESTful APIs, Scrum/Agile Software Development, Clean Architecture, Domain-Driven Design (DDD), Object-Oriented Programming (OOP), Data Structures and Algorithms

## CERTIFICATIONS:

- AWS Certified Cloud Practitioner | Badge: https://tinyurl.com/credly-aws-cert
- Microsoft Certified: Azure Fundamentals | Certificate: https://tinyurl.com/azure-cert
- The Data Science Course: Complete Data Science Bootcamp 2024 – Udemy
- The Project Management Course: Beginner to PROject Manager – Udemy

## WORK HISTORY:

- **Full Stack Software Developer (Part-time)**, November 2023 – December 2024
  **Peyto Creative** – Edmonton, AB
  - Collaborated with stakeholders to define project scope, gather requirements, and deliver customized inspection management solutions using React, Redux, Node, and PostgreSQL.
  - Owned the full software development lifecycle, ensuring alignment with business needs, and conducted thorough testing and deployment.
  - Managed project timelines and risks, ensuring the solution was delivered on time and met quality standards.
  - Authored comprehensive documentation and reports on software requirements, API specifications and ERD.

- **Software Developer**, April 2022 – November 2023
  **Jify** – Mumbai, India
  - Engineered the Jify fin-tech mobile application using TypeScript, AWS, DynamoDB, and Serverless to provide earned-wage access solutions to corporates.
  - Developed distributed, scalable microservices on AWS and Serverless, ensuring high availability and reliability for core financial services.
  - Led HRMS integrations for 15+ corporations, working closely with corporate clients to deliver customized financial solutions to over 1 million employees.
  - Acted as a trusted advisor to corporate clients, translating technical concepts into business-friendly language to facilitate decision-making.
  - Architected the "Digital Gold Trading" project, integrating real-time financial investment features with a focus on data security.
  - Implemented error monitoring and debugging for microservices using Sentry, improving incident response time by 30%.

## PROJECTS:

- **Binary Prediction of Smoker Status using Bio-signal data:**
  Implemented advanced machine learning models to predict smoker status based on bio-signal data, conducted comprehensive automated testing and quality assurance using CI/CD pipelines.
  Github: https://github.com/SaranshM/ece_720_final_project
  *Technologies used:* Python, CNN, RNN, Git, TensorFlow

- **MERN Movie App:**
  Movie search and filter platform with features like user authentication, trending lists, and user preferences.
  Project: https://mern-movie-app-saransh.netlify.app/
  *Technologies used:* React, CSS, Node, MongoDB

- **Covid19Tracker:**
  Developed a COVID-19 Tracker System using NodeJS and Express, featuring real-time updates, news, an interactive dashboard, and search functionality for global COVID-19 statistics.
  Github: https://github.com/SaranshM/Covid19Tracker
  *Technologies used:* React, Data Analysis, Node, Axios