

Mohit Singh Sinsniwal

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Education

Chennai Mathematical Institute

Chennai, India

Masters in Data Science CGPA: 8.75/10

Aug 2024 - Apr 2026

Relevant Coursework: Data Mining and Machine Learning, Algorithms, Distributed Computing and Big Data, Mathematical Methods Analysis by Priyavrat Deshpande, Probability and Statistics with R, Visualization by Sourish, Programming & Data Structures with Python, RDBMS and SQL by Madhavan Mukund, Linear Algebra and its Applications

Activities: Member of the Student Placement Committee

Indian Institute of Technology, Madras

Chennai, India

Bachelors in Data Science CGPA: 7.45/10

Jan 2021 - Apr 2024

Relevant Coursework: Deep Learning, Machine Learning, Artificial Intelligence, Statistical Computing, Tools of Data Science, Business Analytics, Software Engineering, C, Java, Python, Application Development, DBMS, LLMs

Activities: Member of the Student Placement Committee, WebOps Core Member

Projects

- **PathPilot:** A course **recommendation system**. Followed SE workflow from finding user types to stress testing, integrated the ML pipeline, Django, Vue.js, Bootstrap, GitHub tracking, unit testing, and presentation creation.
- **World Data Centre for Climate:** Built online incremental model using Adaptive Hoeffding tree on data chunks.
- **FiddleHead:** Utilized advanced techniques, including boosting, stacking, PCA, and KNN, for better predictions.
- **Google Scholar Scraping:** Beautiful Soup and utilised async requests IP rotation for real-time parallel scraping.

Relevant Experience

TechCorp Cloud Pvt. Ltd.

Lucknow, India

Quantitative Developer | Full-Time

Dec 2021 - Dec 2022

- Created automation for precise analytics, facilitating informed strategic decisions in Business Operations.
- Backtested Advanced Machine Learning Models for rigorous quantitative analysis and actionable insights.
- Seamlessly integrated cloud infrastructure and APIs to enhance agile decision-making with real-time data.
- Spearheaded wireframing and agile development using Jira, Figma, Django, Vue, WebSockets and testing.

Skills & Interest

- Web Development & Programming: Django Rest, Flask, Vue, React, REST API, JavaScript, TypeScript, Tailwind.
- Machine Learning: PyTorch, Keras, NumPy, Pandas, Polars, OpenCV, Beautiful Soup, Parquet, PySpark, Tensors
- Project Management and Cloud Computing: Jira, Excel, PowerBI, Tableau, Asana, AWS, GCP, Azure, IBM Cloud
- DevOps and Version Control: Docker, Kubernetes, Git, Jenkins, Airflow, BigQuery, Postman, Terraform, Kafka.
- Data Science: Python, R, SQL, NoSQL, Hadoop, PowerBI, ggplot, matplotlib, spark, SciPy, Time Series, Markov.

Mathematics Examination Results

Indian Statistical Institute AIR 25 | 95% in 12th Mathematics | 100% in 11th Mathematics | 100% in 10th Mathematics

Side Hustle: Global Tutoring and Tech Problem Solver

- Crafted Diverse Instruction and excelled in intricate debugging, pair coding, and effective interaction with CEOs and investors. Enhanced skills in comprehending queries before delivering precise coding solutions.
- Provided support to employees from renowned companies like Microsoft, StoneX, and Meta, along with various startups, ensuring prompt fulfilment of their diverse Technical Requirements across 8+ countries.
- Facilitated education for 200+ learners globally, earning 98% positive feedback with 53 favourable reviews.
- Built system architectures, microservices and MVPs for startups with an average completion time of 50 days.

Eager to blend analytical rigour with creative insights, I look forward to crafting innovative solutions.