

KAVYA SINGH

Bengaluru, Karnataka

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Education

National Institute of Technology Agartala

December 2020 - June 2024

Bachelor of Technology in Electronics and Instrumentation Engineering (CGPA of 8.69)

Tripura, India

St. Mary's Convent Inter College, Lucknow

April 2018

Class 12th (ISC Board)

Uttar Pradesh, India

St. Mary's Convent Inter College, Lucknow

April 2016

Class 10th (ICSE Board)

Uttar Pradesh, India

Experience

Genpact

February 2024 – July 2024

Advanced Analytics(Data Analyst) Intern

Bengaluru, India

Demand Forecasting for Consumer Goods Inventory Management | Python, Machine Learning Models |

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- Collected Historical data and performed **Feature Engineering** and **Exploratory Data Analysis** from Scratch.
- Developed **Time Series Forecasting** models using techniques like **ARIMA, SARIMA**.
- Assessed model accuracy using **RMSE, MSE, and MAE** metrics, enhancing **accuracy assessments by 15%**.
- Utilized forecasted values to optimize inventory levels, leading to a **20% reduction in stockouts** and a **10% improvement** in demand forecasting accuracy.

AI powered Document De-duplication for efficient Project Management | Python, NLP, ML Algorithms |

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- Compiled and processed a set of documents utilizing **Natural Language Processing (NLP)** techniques like Tokenization, Lemmatization etc. for efficient cleaning.
- Leveraged **Machine Learning (ML)** algorithms to cluster over 100 documents, enhancing data categorization and management.
- Utilized **OpenAI** for content de-duplication within clusters, **reducing redundancy by 25%**.
- Assessed performance with Cosine Similarity and Silhouette Score, achieving a **70-80% accuracy** in final De-duplicated result.

Projects

Rental Booking E-Commerce Website | MongoDB, Express, React, Node | <https://lazy-teal-cheetah-gear.cyclic.app/>

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- Developed a Full-stack E-commerce website for attire rentals using **React, Javascript** and **Bootstrap**.
- Implemented **RESTful APIs** with **Node.js** and Database management with **MongoDB** for efficient data storage, improving data retrieval speed by 10%.
- Integrated payment gateway with **Braintree** achieving 99.9% transaction success rate and enhancing payment security.
- Built interactive, accessible, and reactive web pages, **enhancing user navigation** and overall site functionality.
- Github link to project: <https://github.com/kavyas03/Nirvana-booking-app>

Portfolio Website | HTML, CSS, Javascript, Bootstrap | <https://kavyas03.github.io/Portfolio/>

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- Designed and Created an online, curated space showcasing my best works, skills and educational background.
- Optimized the website for responsiveness using **Bootstrap** framework and applied **CSS** techniques.
- Github link to project: <https://github.com/kavyas03/Portfolio>

Technical Skills

Languages: C/C++, Python (Basic), SQL, HTML/CSS, JavaScript

Technologies/Frameworks/Libraries: ReactJS, Node js, Express js, MongoDB, REST API, Bootstrap, Pandas, Numpy (Python)

Developer tools: Visual Studio Code, Atom, Postman (API Testing)

CS Fundamentals: Object-Oriented Programming, Operating System, Database Management System

Extra-curricular activities

College Basketball Team Member: Competed as a player on the college basketball team, demonstrating teamwork.

Event Management: Participated in managing college events, coordinating logistics and ensuring smooth execution.