

# Suman Kumar Banoth

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## PROFESSIONAL SUMMARY

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A Software engineering student who transforms complex problems into elegant solutions through Python, R, and full-stack development. Successfully delivered multiple web applications using React and Node.js, reducing user response time by 40%. Implemented machine learning algorithms in Python to analyze large datasets, leading to actionable insights for business decisions. Demonstrated agile leadership by coordinating 3 cross-functional teams in rapid prototyping sprints, consistently meeting project deadlines. Recognized for clear technical communication and mentoring junior developers. Currently seeking opportunities to leverage technical expertise in collaborative environments where innovative solutions drive business growth.

## WORK EXPERIENCE

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### Web Developer

GAO Tek Inc

New York, NY

Oct 2024- Present

- Developed and customized WordPress themes and plugins, improving site functionality and boosting user performance by 30%.
- Integrated 7 REST APIs for third-party services, enhancing system scalability and increasing user interaction by 25%.
- Looked over Git repository management to enhance version control and foster efficient development workflows and timely software delivery.

### DB & Infrastructure Specialist

Trine University

Allen Park, MI

Nov 2023 – Aug 2024

- Optimizes MySQL database systems managing different user profiles, improving query performance and print job accuracy by 40%.
- Manages server infrastructure across 10 platforms, troubleshooting network, and application issues with a 95% success rate.
- Offered comprehensive support for 50 printing devices, ensuring seamless operations through active maintenance and prompt issue resolution.

### SAP ABAP

Avalanches IT Services

Hyderabad, IND

Feb 2022 – Aug 2023

- Delivered SAP solutions using ALVs, BDCs, Smart Forms, and ADK, improving system efficiency by 35% and reducing processing time by 20%.
- Optimized ABAP/4 programs for R/3 modules, ensuring efficient database operations, internal table management, and data integrity across business functions.
- Led 17 SAP implementation projects with cross-functional teams, achieving 98% on-time delivery and earning recognition for leadership and client satisfaction.

## PROJECTS

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### Stock Price Prediction Using Python

- Created an end-to-end data pipeline with Python (Pandas, NumPy) in Jupyter Notebook to ingest, clean, and transform datasets, reducing data preparation time by 30%.
- Executed EDA with Python libraries such as Matplotlib and Seaborn, pinpointing critical outliers within datasets which facilitated a reduction in error rates by 20% during subsequent reporting periods.
- Built and fine-tuned predictive models with scikit-learn, using feature engineering, hyperparameter tuning, and cross-validation, improving accuracy by 15%.

### Clustering Model for Marketing Strategies

- Designed a customer segmentation model using K-Means in Jupyter Notebook, leveraging Pandas and sci-kit-learn to preprocess 50,000 transactional records, enhancing data quality and consistency.
- Crafted interactive visualizations with Matplotlib, Seaborn, and Plotly, uncovering key purchasing patterns and spending behaviors that informed personalized marketing strategies.
- Enhanced clustering with silhouette analysis and PCA, reducing feature dimensionality by 40% and improving segmentation accuracy by 20%, boosting marketing campaign effectiveness.

## EDUCATION

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Master of Science in Information Technology/Studies

Trine University, Detroit, MI, USA

Sept 2023 – Present

Bachelor of Technology in Mechanical Engineering

Holy Mary Institute of Technology and Science, Hyderabad, IND

Aug 2018 – Feb 2022

## SKILLS

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**Data Science:** Python, R, MySQL, Data Analysis, Statistics, Hypothetical testing.

**SAP ABAP:** SAP Fiori & UI5, SAP S/4HANA Development, OData Services, IDocs, ABAP on HANA, BAPI & RFC, SAP Workflow, ALV, Debugging and Performance Tuning, Unit Testing, SAP Gateway, ABAP.

**Visualization:** Power BI, Tableau, Page Builders, Advanced MS Excel.