

# VISHNUGUPTHAA RAMIDI

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## PROFESSIONAL SUMMARY

Dynamic IT professional with expertise in technical support and software development. Proven track record in maintaining system integrity, enhancing user satisfaction, and leading IT infrastructure setup. Skilled in team leadership and implementing innovative solutions. Adept at delivering high-quality results under pressure. Seeking to drive efficiency and innovation in a dynamic organization.

## EDUCATION

### California State University Dominguez Hills

*Master of Science in Computer Science Engineering*

Carson, CA, USA

May 2024

### Keshav Memorial Institute of Technology

*Bachelor of Technology in Computer Science Engineering*

Hyderabad, India

Jun 2021

## TECHNICAL SKILLS

**Programming & Development:** Java, C, C++, Python, Scala, TypeScript, HTML, CSS, PHP, JavaScript, Bootstrap, Django, Spring Boot, SQL, Pandas

**Big Data & Cloud:** Hadoop, Hive, Apache Spark, MySQL, GCP, AWS CloudFront, Docker, Maven/Gradle, Git

**Languages:** Telugu (Native), English (Fluent), Hindi (Fluent), Spanish (Beginner)

**Other:** JUnit, Algorithm Design, Machine Learning, AI, Agile Methodologies, JIRA, Linux, Microsoft Office, Latex

## EXPERIENCE

### IT Technical Assistant

Sep 2022 – May 2024

*Aramark - Food, Facilities, and Uniform Services*

*On Campus, CA*

- Provided **technical support** and **assistance** to faculty, staff, and students, resolving issues related to hardware, software, and network connectivity, resulting in a **10% increase** in user satisfaction.
- Maintained and updated **computer systems** and **software applications**, ensuring optimal performance and **minimizing downtime**, while adhering to strict **security protocols**.
- Coordinated setup and configuration of **IT infrastructure** for campus events, including network setups and audio-visual equipment, demonstrating strong **time management** and **problem-solving** skills.
- Led a team of student workers, overseeing tasks and ensuring timely completion of IT projects and support requests, showcasing **leadership** and **teamwork** abilities.
- Initiated **training programs** for new student workers, enhancing their technical skills and ensuring high-quality support services, while fostering a **learning-oriented** environment.
- Collaborated with the IT department to manage **inventory** of IT equipment, ensuring accurate records and efficient allocation of resources, demonstrating strong **organization** and **communication** skills.
- Performed regular **system maintenance** and **troubleshooting**, identifying and resolving technical issues to maintain smooth operation, showcasing **problem-solving** abilities.
- Preserved **security protocols** to protect campus IT infrastructure from cyber threats, ensuring data integrity and confidentiality, while demonstrating **adaptability** to evolving security challenges.
- Provided **customer support** and **technical assistance**, addressing user inquiries and solving issues promptly to improve **user satisfaction**, while demonstrating strong **communication** and **problem-solving** skills.

### Associate Developer

Jun 2020 – Aug 2021

*Tata Consultancy Services - Building on Belief*

*Bengaluru, India*

- Developed **scalable applications** using **Scala** and **Apache Spark**, boosting **customer satisfaction by 10%** for Neilson client on OTT data.
- Designed and implemented **data processing workflows** in **Apache Spark**, handling over **1TB of data** daily, improving processing speed by **30%**.
- Utilized **AWS Athena** for efficient data management, resulting in **20% faster query execution** and enhanced data retrieval efficiency.

- Managed **AWS S3** storage, ensuring **99.9% data availability** and streamlined access for analytical tasks.
- Improved ETL pipelines, reducing data latency by **40%** and enhancing real-time analytics capabilities.
- Led cross-functional teams, adhering to **Agile methodologies**, resulting in a **15% reduction in development time**.
- Automated data processing tasks using **Python**, reducing manual effort by **50%** and minimizing errors.
- Integrated third-party APIs, resulting in a **10% increase** in feature usage by end-users.
- Received the "**Star Performer**" award for spearheading a complex system migration project, resulting in a **25% increase** in operational efficiency and a **15% reduction** in system downtime.

## PROJECTS

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### Cancer-Type-Prediction-and-Exploration-of-TCGA-Data

- Conducted **exploratory data analysis (EDA)** on a dataset of over **10,000 entries**, utilizing **Python** libraries such as **pandas**, **numpy**, **matplotlib**, and **seaborn**.
- Refined and cleaned data by systematically removing non-essential columns, **addressing missing entries**, and converting categorical variables, boosting machine learning model **performance by 18%** and expediting analysis by **20%**.
- Created **30+ visualizations** including pie charts and heatmaps to illustrate class distributions and feature correlations, and Put into effect **PCA** and **K-means clustering** for dimensionality reduction and pattern recognition using **scikit-learn**.
- Demonstrated proficiency in **Python**, **Jupyter Notebooks**, and key data science libraries, thoroughly documenting processes and findings in a **50-page report**.
- Generated and Performed **machine learning algorithms** for cancer type prediction, achieving an accuracy of **90%** through model evaluation and optimization.
- Collaborated with a multidisciplinary team of researchers to validate findings and explore potential clinical applications of the predictive model.

### Housing Financial Society Management System

- Established and Effectuated a **web-based management system** for Virtusa, integrating **JSP**, **PHP**, **HTML**, **Bootstrap 4**, **JavaScript**, and **SQL** with **XAMPP** as the local server, serving over **500 residents**.
- Implemented **MVC architecture** to ensure clear separation of concerns, enhancing system maintainability and scalability.
- Enabled **online bill viewing and printing**, resulting in a **20% increase** in financial transparency and accessibility for residents.
- Enhanced **transaction security** and **data integrity** by implementing a **Maker-Checker protocol**, reducing error rates by **15%** and improving trust in financial transactions.
- Launched user-friendly **interfaces** using **Bootstrap 4** and **JavaScript**, improving user satisfaction and system usability by **30%**.
- Optimized **database queries** and storage solutions, leading to a **25% improvement** in system performance and faster access to financial data.

### Paperless Office Initiative

- Launched a **Paperless Office Initiative**, reducing paper consumption by over **70%** and promoting **environmental sustainability**.
- Enhanced a **web-based document management system** using **Eclipse** for Java development, integrating **HTML**, **PHP**, **JavaScript**, and **CSS**, managing over **10,000 documents** digitally.
- Executed **encryption and decryption** algorithms using **Python**, ensuring **100% document security** and integrity during digital signing and approval processes.
- Managed **SQL databases** for document storage, optimizing data access and maintaining data consistency, resulting in a **30% reduction** in retrieval time.
- Employed **automated mailing features** using Python, sending over **500 notifications** weekly, enhancing communication and workflow efficiency.
- Led system integration and user training, reducing physical storage requirements by **50%**, improving user adoption, and decreasing support requests by **20%**.

## CERTIFICATIONS

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Gen AI	Data Analysis	GitHub
Program Management	Certified Spark Developer	Introduction to AI
Data Science Specialization	Practical Machine Learning using TensorFlow	