RAMIDI VISHNUGUPTHAA

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PROFESSIONAL SUMMARY

Passionate and hardworking software developer with a master's degree, specializing in efficient data solutions and IT project success. Proven track record in enhancing system performance, meeting strict deadlines, and collaborating effectively. Seeking to leverage technical skills and leadership skills to drive excellence and innovation in a forward-thinking organization.

EDUCATION

Keshav Memorial Institute of Technology — Hyderabad, India
Bachelor of Technology in Computer Science Engineering — *Jun 2021*

California State University Dominguez Hills — Carson, CA, USA
Master of Science in Computer Science Engineering — *May 2024*

TECHNICAL SKILLS

Programming & Development	Big Data & Cloud	Languages & Other
Java, C, C++, Python, Scala, TypeScript	Hadoop, Hive, Apache Spark, MySQL, NoSQL	Telugu (Native), English (Fluent), Hindi (Fluent), Spanish (Beginner)
HTML, CSS, JavaScript, PHP, Bootstrap, Django	GCP, AWS CloudFront, Maven/Gradle, Git	JUnit, Algorithm Design, Machine Learning, AI, Agile Methodologies, JIRA, Linux, Microsoft Office, LaTeX

EXPERIENCE

Associate Developer — Jun 2020 – Aug 2021
Tata Consultancy Services - Building on Belief — *Bengaluru, India*

- **Developed scalable applications** using SQL, Scala, and Apache Spark, boosting customer satisfaction by **10% for OTT data clients** and **improving processing speed by 30%** with data workflows handling over 1TB daily.
- Utilized **AWS Athena** and managed AWS S3 storage, achieving **20% faster query execution** and ensuring **99.9% data availability**, enhancing data retrieval and analytical task efficiency.
- Improved ETL pipelines, reducing data latency by **40%** and enhancing real-time analytics capabilities, while automating data processing tasks with Python, reducing manual effort by **50%** and minimizing errors.
- **Led cross-functional teams** adhering to Agile methodologies, resulting in a **15% reduction in development** time and demonstrating strong leadership and teamwork skills.
- **Received the "Star Performer" award** for spearheading a complex system migration project, increasing operational efficiency by **25%** and reducing system downtime by **15%**.

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 hardware, software, and network issues, leading to 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 IT infrastructure setup 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 and demonstrating strong **organizational** and **communication skills**.

PROJECTS

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

- **Conducted exploratory data analysis (EDA)** on a dataset of over **10,000 entries** using Python libraries such as pandas, numpy, matplotlib, and seaborn, for my master's degree under **Dr. Bin Tang** in collaboration with **Cedars-Sinai - National AI Campus** Technical Supervisors.
- Refined and cleaned data, boosting machine learning model performance by **18%** and expediting analysis by **20%** through systematic removal of non-essential columns, addressing missing entries, and converting categorical variables.

- Created **30+ visualizations**, including pie charts and heatmaps, to illustrate class distributions and feature correlations; implemented 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 **98% accuracy** through model evaluation and optimization, leading a team of four as the core code contributor.

Paperless Office

- **Launched a Paperless Office Initiative**, reducing paper consumption by **over 70%** and promoting environmental sustainability as part of my bachelor's degree project, in collaboration with the Indian Government's **Smart India Hackathon (SIH).**
- Enhanced a web-based document management system using Eclipse for Java development, integrating HTML, PHP, JavaScript, and CSS, and 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**, and employed automated mailing features to send over **500 notifications weekly**, enhancing communication and workflow efficiency.
- **Led system integration and user training** with a team of four, reducing physical storage requirements by **50%**, improving user adoption, and decreasing support requests by **20%,** with me as the core code contributor.

Housing Financial Society Management System

- **Established 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** improving user satisfaction and system usability by **30%**, while optimizing database queries and storage solutions, leading to a **25% improvement in system performance**.

CERTIFICATIONS

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