NEERAJ SAI KONDAVEETI

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EDUCATION

University of Illinois Urbana-Champaign   Aug 2024 - May 2026
Master of Science in Information Management
Relevant Coursework: Data Structures & Algorithms, Systems Analysis, Data Science & Statistical Models, Information Modeling, Exploratory Data Analysis, Data Visualization, Methods of Data Science, Relational Databases

PROFESSIONAL EXPERIENCE

University of Illinois Veterinary Medicine College | Student Data Engineer | Champaign, IL   Aug 2024 - Present
- **Architected NL2SQL agent prototype converting natural language to optimized SQL queries for 10M+ veterinary records:** Reduced query execution latency by 30% through strategic indexing and caching implementation**;** Enabled non-technical researchers to access complex datasets, accelerating research velocity by 75%
- **Designed multi-threaded CLI tool using Python with object-oriented architecture for concurrent query processing:** Achieved less than 200ms response time for real-time data requests supporting clinical decision-making; Built reusable query parsing and schema validation modules adopted across 3 research teams
- **Implemented real-time data visualization platform integrating with faculty research datasets:** Delivered interactive dashboards processing 50K+ daily transactions for veterinary clinical trials; Improved research collaboration efficiency by 40% through automated reporting pipelines

Chinchilla AI | AI Software Engineer Intern | Remote, IL   Jul 2025 - Aug 2025
- **Developed production-ready full-stack AI applications using React.js, FastAPI, and AWS infrastructure:** Delivered scalable system handling 10K+ concurrent users with 99.9% uptime**;** Reduced deployment time by 60% through automated CI/CD pipeline implementation
- **Engineered real-time streaming APIs for LLM inference with multi-threaded Python services:** Achieved less than 200ms latency for AI model responses through asynchronous request handling**;** Increased throughput by 25% via backend optimization and caching strategies
- **Refactored core modules partnering with senior engineers for high-load environment scalability:** Improved code maintainability score by 40% using SOLID principles and design patterns**;** Reduced technical debt by 30% through comprehensive unit testing coverage

Capgemini | Senior Data Analyst | Hyderabad**,** India   Jun 2022 - Aug 2024
- **Architected microservices-based data ingestion platform processing multi-million record datasets daily**: Reduced data processing time by 40% through optimized ETL pipelines in Python and SQL; Enabled real-time analytics for 20+ enterprise clients across procurement and finance domains
- **Led development of automated reporting platform using modular OOP architecture:** Automated 80% of manual reporting processes, saving 200+ hours monthly**;** Improved forecasting accuracy by 35% through statistical modeling and root cause analysis
- **Implemented Docker/Kubernetes-based CI/CD pipelines with GitHub Actions**: Achieved zero-downtime deployments with 99.5% success rate; Reduced deployment cycle time from days to hours through automation
- **Mentored 5+ junior analysts in advanced data engineering practices and TDD methodologies:** Improved team productivity by 30% through knowledge sharing and code review processes**;** Led successful delivery of 10+ major data engineering projects on schedule

Capgemini | Data Analyst Intern | Hyderabad**,** India   Jan 2022 - Jun 2022
- **Developed Java-based IoT anomaly detection system processing 50K+ sensor logs using multi-threading:** Detected critical anomalies 15% faster than existing systems through optimized algorithms**;** Reduced false positive rate by 25% using machine learning classification models
- **Built portfolio management platform integrating SQL, Python, and Kafka event streaming:** Decreased project overlap by 15% through improved resource allocation visibility**;** Automated 60% of manual data visualization tasks with interactive dashboards
- **Engineered REST APIs with authentication layers for ERP system integration:** Improved system performance by 40% through API optimization and caching**;** Ensured 99.9% data reliability through comprehensive validation frameworks

Noobtron | Research & Development Intern | Hyderabad**,** India   Sep 2021 - Jan 2022
- **Programmed Python + AWS NLP chatbot automating 35% of educational query responses:** Reduced average response time from 24 hours to 2 minutes for common queries**;** Improved user satisfaction scores by 25% through natural language processing
- **Built REST APIs with authentication for content tracking system serving 5K+ users:** Achieved 99% API uptime through robust error handling and monitoring**;** Documented comprehensive API specifications adopted as team standard

TECHNICAL SKILLS

Languages: Java, Python, C/C++, .NET, Go, Ruby, PLSQL, MATLAB/Simulink, PHP, Pyspark, GraphQL, Angular, Scikit-learn
Frameworks & Tools: React.js, Redux, Next.js, Vue.js, FastAPI, Node.js, .NET Core, Docker, Kubernetes, Git, GitHub Actions, Azure DevOps, AWS (Amplify, Lambda), GCP, Azure Databricks, Tableau, Power BI, Kafka, React Native, Swift, Kotlin, Apache Airflow
Databases and Cloud: PostgreSQL, Oracle, BigQuery, Cassandra, MongoDB, AWS S3, SQS ,ECS, MLC (NLTK, Pandas, NumPy)
Core Competencies: Data Structures & Algorithms, Object-Oriented Design, Microservices, ETL Pipelines, Machine Learning, Real-time Data Processing, CI/CD, Test-Driven Development, Agile/Scrum, AI (TensorFlow, PyTorch, OpenAI, Agentic AI, LangChain)