Jayantha Nanduri

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○ github

PROFESSIONAL SUMMARY

Experienced Software Developer(2.5 yrs) with expertise in building scalable distributed systems, leveraging fundamentals in Algorithms, Distributed Computing, DevOps tools, and Full-stack Development to drive business outcomes. [Immediately Available and Open to relocating anywhere in US]

EDUCATION

Northeastern University | Master of Science in Computer Science | GPA: 4.0   *Jan 2023 - May 2025*
Courses - Large Scale Data Processing, Web Development, Programming design paradigm, DBMS
Graduate Teaching Assistant in Algorithms   *Boston, MA*

Mahindra Ecole Centrale | B.Tech in Computer Science and Engineering | GPA: 8.52/10   *2016 - 2020*

TECHNICAL SKILLS

Languages	Java, Python, C++, C, JavaScript, Scala, Go, Typescript, C#/.NET
Frameworks	Spark, Node.js, ReactJS, Hadoop, Elastic Search, Angular, Spring MVC
Development & Database	PostgreSQL, MySQL, MongoDB, HTML, Spark, Flask, MapReduce, Django
Functional Skills	Software Development, Cloud Native Development, Distributed Systems, GenAI
Cloud & DevOps	Kafka, Docker, Kubernetes, Git, AWS, Azure, Redis, RabbitMQ

EXPERIENCE

Jocata Financial Advisory & Technology | *Software Engineer*   **Oct 2020 - Dec 2022**
Risk-Assessment, Micro-services, Python, SQL, Django, Docker, AWS, Git, Apache HTTP server   *Hyderabad, India*
- Developed an entity risk profiling algorithm, capitalizing on historical tax filing data of the entities.
- Developed a dashboard utilizing RESTful microservices, facilitating effortless access and analysis of customer risk profiles for banks.
- Achieved a **40% improvement in API response times,** by optimizing query performance and streamlining data processing techniques.
- Achieved a **30% reduction in false positive defaults**, refining the bank's default detection and risk management.
- Deployed the application on AWS EC2 using Apache Server for scalability and as a reverse proxy for the application.

Jocata Financial Advisory & Technology | *Software Engineer Intern*   **Jan 2020 - Oct 2020**
Web application, React.js, Node.js, MongoDB, TessaractOCR, Object-detection, TensorFlow   *Hyderabad, India*
- Developed a web application that served as a platform to help banks onboard their customers effectively.
- Trained a custom object detection model to accurately extract and authenticate user information from ID proofs submitted during the onboarding process.
- Increased **text extraction accuracy by 35.7%**, markedly improving the efficiency of the KYC verification process.

PROJECTS

Caption Craft | *Web development, GenAI, React.js, Node.js, MongoDB, MaterialUI, Express*| Github
- Developed a creative social networking site that allows users to showcase their creativity by crafting and sharing images generated from text prompts.
- Seamlessly integrated external APIs for enriching posts with geolocation tags.
- Introduced interactive Like and Dislike buttons, enhancing user engagement by allowing reactions to content within their community feed.

Image Editing Application | *Java, Git, MVC design pattern,* | Github
- Crafted a Java-based image editing tool with an intuitive GUI, allowing users to load, modify, and save images through both graphical and text-based inputs.
- Achieved an impressive average image **loading time of 0.5 seconds**.
- Attained **98% code coverage with JUnit tests**, reflecting the thoroughness of the testing process and the application's reliability.

Text Search Engine | *Crawling, Indexing, Ranking, Elastic Search Python, Scala, Java, Spark, Map Reduce*| Github
- Engineered web crawler, parser, and inverted indexer to efficiently index web pages and build a search database.
- Elevated search engine performance by implementing the PageRank algorithm on crawled outlinks and inlinks data, utilizing Apache Spark for distributed computation, optimizing relevance and accuracy of search results.