

AKASH BELIDE

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EDUCATION

New York University (NYU Courant)

January 2024 – Present

Master of Science in Information Systems

New York, USA

- Relevant Coursework: Fundamental Algorithms, Advanced Database Systems, DevOps and Agile Methodologies, Data Science for Business, Data Communication & Networks, Data Visualization, Innovation and Design

Mahatma Gandhi Institute of Technology

July 2019 – July 2023

Bachelor of Technology in Computer Science and Engineering

Hyderabad, India

- Relevant Coursework: Software Engineering, Operating Systems, Data Science, Web Development, Real Time Systems, Cloud Computing, Java Programming, DSA, Machine Learning, Computer Networks, Social Networks

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, C, C++, SQL, Python, R, Solidity

Frameworks & Libraries: Spring, Spring Boot, Selenium, PyTest, JUnit, jQuery, React.js, Node.js, Flask

DevOps & CI/CD: Docker, Kubernetes, OpenShift, AWS, Jenkins, GitLab CI, GitHub Actions

Databases & Tools: MySQL, PostgreSQL, RESTful APIs, JIRA, Git, Tableau, Microsoft Office Suite

WORK EXPERIENCE

Vervon Technologies

August 2023 – December 2023

Software Engineer

Hyderabad, India

- **Crafted** full-stack web applications using **JavaScript, React, Node.js, and SQL**, supporting **3 digital transformation projects** and improving **workflow efficiency by 25%**.
- **Developed and optimized** cloud-based solutions using **AWS (Lambda, EC2, S3, DynamoDB)** to automate 50+ workflows, reducing manual effort by 30%.
- **Designed and tested** RESTful APIs, optimizing **response times by 40%** and ensuring seamless **front-end and back-end communication**.

Vervon Technologies

February 2023 – July 2023

Software Engineer Intern

Hyderabad, India

- **Collaborated** with a cross-functional team following **Agile** practices to **enhance** client-facing web applications using **React** (front-end) and **Java Spring Boot** (back-end).
- **Engineered and integrated** RESTful APIs that **improved data flow efficiency by 20%** and reduced manual data processing.
- **Implemented** comprehensive unit and integration tests (**JUnit, Mockito**) and **participated** in code reviews to **elevate code quality** and maintainability.
- Gained exposure to **AWS** and **DevOps** best practices (**CI/CD, Docker**), streamlining deployments and enhancing application reliability.

PROJECTS

NYU DevOps Inventory Service (Python, Flask, Docker, Kubernetes, Tekton, GitHub Actions, PostgreSQL)

- Developed a **RESTful inventory microservice** with **CRUD operations**, API documentation (**Flask-RESTX & Swagger**), and **95%+ test coverage** using pytest.
- Automated **CI/CD pipelines** with GitHub Actions & Tekton, enabling seamless deployments on **K3s & OpenShift**, while following **Agile/Scrum methodologies** for iterative development.

Peer-to-Peer Carpooling DApp (Solidity, Web3.js, Node.js, React.js, MongoDB)

- Built a **decentralized ride-sharing DApp** with **Solidity smart contracts**, ensuring **30% improved security** in ride payments.
- Integrated a **React & Web3.js frontend** with a **Node.js backend & MongoDB**, enabling **real-time ride matching** and **tamper-proof transactions**.

CERTIFICATIONS & PUBLICATIONS

Certifications : Data Structures in Java, Front End Full Stack Web Development, Back End Full Stack Web Development in Node.js, Data Science (R), Social Networks.

Publication: **Peer-to-Peer Carpooling DApp**, IJAEM (Vol. 05, Issue 07), DOI: 10.35629/5252-0507858869 Researched and implemented a blockchain-based carpooling app for enhanced privacy, security and transparency.