

Adhyantini Bogawat

Boston, MA | adhyantini.bogawat@gmail.com | [LinkedIn](#) | [GitHub](#)

PROFESSIONAL EXPERIENCE

Software Engineer Co-op

Jul 2023 – Dec 2023

ESG Global | Java, Selenium, Oracle SQL, AWS, Git, JIRA, Confluence

Norwell, MA

- Developed Selenium WebDriver automation scripts in Java for REST API & UI verification, enhancing test coverage by 40%
- Automated data migration processes using Java & Apache POI, converting data from Excel files to properties files; slashed manual processing time by over 50%
- Enhanced overall application security by integrating AWS secret manager for sensitive data storage
- Led troubleshooting and performance optimisation of Oracle SQL queries, enhancing system efficiency by 25%
- Utilised Agile methodologies for timely and efficient software releases; maintained code quality via code review processes

Software Developer

Jun 2020 – Jun 2022

Persistent Systems Ltd. | Node.js, Mocha, Sinon.js, RESTful API, GitHub, Jenkins, Agile Methodologies

Pune, India

- Engineered microservices-based data pipelines using Node.js for IBM's product AppConnect, improving data transfer efficiency across applications by 100%
- Collaborated with product managers on technical decisions, leading to a 25% reduction in development cycle times
- Executed unit tests using BDD principles with Mocha and Sinon.js, ensuring comprehensive test coverage and promoting code maintainability
- Engaged in project enhancements using Node.js, improving functionality and user experience by 15%
- Implemented CI/CD pipelines using Jenkins and Git on IBM Cloud & OpenShift, increasing deployment efficiency by 30%

PROJECTS

Productivity Enhancer Chatbot | Python, RAG, Langchain, LLM

May 2024

- Developed a chatbot leveraging Ollama's Llama3 and LangChain framework to provide ways to boost productivity
- Implemented RAG pipeline using FAISS vector storage to store embeddings
- Utilized Streamlit for the user interface and Python for backend services, resulting in a highly effective chatbot

Cloud Infrastructure WebApp | Google Cloud, Sequelize, SQL, Terraform, Linux, Github Actions

Jan 2024

- Developed a web application with Base64 authentication for security, handling 1000's of concurrent requests
- Deployed app on GCP with Terraform using Packer-customised compute engines, cutting deployment time by 50%
- Modelled GitHub Actions to setup CI/CD pipelines for streamlining API delivery, used Mocha, Chai for unit testing
- Enhanced system monitoring and health checks by implementing OpsAgent for efficient data logging

Project Management Tool | JavaScript, Node.js, HTML5, CSS3, MongoDB, Git

Dec 2023

- Developed a MERN stack based project management tool with Redux for enhanced project tracking
- Created an interactive user interface with React, enabling users to input data and monitor project statuses
- Designed dashboard using Chart.js, HTML, SCSS for comprehensive project analytics and download capabilities

Secure Communication Channel for IOT Devices | Python-Flask, HTML, CSS, REST API

Dec 2022

- Built a web app for automated electricity billing from power meters, reducing manpower by 60% and modernizing the system
- Designed backend in Python-Flask and the frontend using Bootstrap, HTML, CSS
- Developed end-to-end encrypted channel using multiple cryptographic algorithms such as ECDSA, RSA, AES, SHA, ECDHE

TECHNICAL SKILLS

Languages :	JavaScript, Python, Java, SQL, NoSQL
Web Technologies :	Node.js, Django, Flask, Springboot, HTML, CSS, ReactJS, Redux, RESTful API's, JSON
Development Tools :	Git, GraphQL, RabbitMQ, Elasticsearch, Jenkins, Postman, JIRA, Confluence
Cloud & DevOps:	AWS, GCP, GitHub Actions, Terraform, Docker, Kubernetes
Databases & OS :	Oracle SQL, MySQL, PostgreSQL, Redis, MongoDB, Linux(CentOS, Ubuntu), Windows
Prompt Engineering :	LLM, LangChain, OpenAI, Ollama, Hugging Face

EDUCATION

Northeastern University

Boston, MA

Master of Science, Information Systems

Aug 2024

Course Highlights: Prompt Engineering, Program Structures & Algorithms, Database Management & Database Design, Web Development Tools & Methods, Network Structures & Cloud Computing, Advanced Big Data Systems

Pune University

Pune, India

Bachelor of Engineering, Computer Engineering

May 2020

Course Highlights: Advanced Data Structures & Algorithms, Object-oriented Design, Principles of Programming Languages