Viplavi Wade

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EDUCATION

2023 – 2024 **Birkbeck University of London, United Kingdom** *MSc Advanced Computing* 73/100

2020 – 2022 **Vishwakarma Institute of Technology**, India *Masters in Computer Applications* 9.06/10

2017 – 2020 **Maharashtra Education Society Garware, India** *BSc Computer Applications*   81.45/100

SKILLS

Technical Skills: OOPS, TDD, BDD, SQL, HTML, CSS, Design Patterns, PostgreSQL, MongoDB, Python, Node.js, JavaScript, TypeScript, React, Cypress, Playwright, NextJs, Angular, Express.js, Flask

Cloud & DevOps and Tools: AWS, GCP, Kubernetes, Docker, CI/CD, Jenkins, Git, GitHub, Postman, JIRA

EXPERIENCE

Software Engineer | The Law Chronicle | November 2024 – Current
- Developed **React.js** and **Next.js** application using **MVC architecture** for legal case management.
- Performed functional testing using **Cypress and Playwright**, reducing UI bugs by **40%**.
- Designed reusable React components following **GDS accessibility standards**.

Software Development Intern | SOS-UK | July 2024 – August 2024
- Developed **a Green Impact web app** to track sustainability initiatives using Next.js, increasing user engagement by **30%**, while optimizing MongoDB queries to enhance system efficiency by **25%**.
- Implemented and maintained **Unit Tests** using **Jest**, improving test coverage and application stability.

Associate Software Engineer | IntegriChain Private Limited | July 2022 - Sept 2023
- Led the development of a **Chargeback Management System**, automating data reconciliation, reducing revenue leakage by 15%, leveraging **Next.js** and **TypeScript** for enhanced efficiency and scalability.
- Implemented **TDD and BDD methodologies** to improve code, debugging efficiency, and ensure robust test coverage, **OAuth 2.0** for user authentication and **indexing** for performance improvement by 60%.
- Designed **modular, reusable** React **components**, adhering to standard design patterns. Migrated monolithic application to **Kubernetes** and **Docker**, improving system scalability by 30%.

Product Engineering Intern | IntegriChain Private Limited | January 2022 - July 2022
- Built an **AI** Chatbot using Python and Rasa, automating responses and improving customer interaction by 40%. Optimized user engagement through analytics-driven **UI improvements**, decreasing bounce rates by 15%. Leveraged **Google Analytics** and **Microsoft Clarity** to enhance data-driven insights.

MAJOR PROJECTS

AI/ML Driven Smart Document Classifier | Freelance Project | December 2024 - Feb 2025 | GitHub
- Built a full-stack web application using **React** and **FastAPI**, enabling real-time document classification.
- Integrated **BART-large-MNLI** for **zero-shot text classification** and optimized API performance for seamless file handling. Improved user interaction using **CORS** middleware and robust error handling.

Mapping Museum/Museum Database Migration | Dissertation Project | May 2024 - Sep 2024 | GitHub
- Migrated **RDF** datasets to **PostgreSQL**, improving data accessibility and **query performance**.
- Developed and executed complex **SQL queries** for organizing and storing data in backend database.

Data Engineer | CineSense Media (Birkbeck University) | March 2024 - May 2024 | GitHub
- Developed and optimized **NLP** pipelines using **LSTM** and **TextBlob**, improving **sentiment analysis**.
- Applied **asynchronous programming** and **threading** to reduce data processing time by 60%.

ACHIEVEMENTS AND PROFESSIONAL CERTIFICATIONS

Google Advanced Data Analytics Professional Certificate, **Grow With Google** Scholar, **AWS** Cloud Practitioners Essentials Certificate, **LinkedIn** - TOP Web Development Voice, **Girl Script Summer of Code**

Open-source Contributor, **K8SUG The Most Active K8s + AI Meetup** Organizer and Speaker