

- THANIA VIVEK -

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Completed MSc in Advanced Computer Science from University of Sheffield, I bring a blend of cutting-edge industry knowledge and practical experience from my tenure in financial IT. Proven expertise in Java and JavaScript, complemented by robust knowledge in DB2 database systems. I am skilled in debugging, server monitoring, and UI design, aiming to deliver high performing and user-focused solutions.

PROFESSIONAL EXPERIENCE

Taska (Freelancing) Sheffield, UK

April 2024 - Present

- ▶ Started a digital launchpad startup to provide web development services to startups and small businesses that require better UI/UX experiences.
- ▶ Reach out to clients using a heuristic algorithm that rates the website based on certain criteria

Morgan Stanley (Wiley Edge FTC), Mumbai, India • Java Developer

January 2021 - August 2022

- ▶ Enhanced and maintained critical financial systems (Wire, Titan, Billing) to improve transaction processing and accrual calculations for hedge fund clients.
- ▶ Boosted system efficiency by 83% through strategic improvements in data handling and querying using advanced indexing and hashing techniques.
- ▶ Utilized Spring, Spring Boot, Java, and DB2 to develop robust and responsive applications, focusing on security and performance optimization.
- ▶ Applied test-driven development methodologies, improving code quality and maintainability.
- ▶ Collaborated closely with testing teams to ensure comprehensive coverage and adherence to high availability and fault tolerance standards.

EDUCATION

Msc. Advanced Computer Science • University of Sheffield

September 2022 - September 2023

Specialized in modules that enhance understanding and proficiency in secure and reliable software development, such as Computer Security and Forensics, Testing and Verification of Safety Critical Systems.

B.Tech Computer Science Engineering • Amrita School of Engineering

(First Class with Distinction)

June 2017 - June 2021

Focused on Advanced DBMS and object-oriented programming, forming a strong base for application design and development.

SKILLS

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

Web Development: HTML, CSS, React.js, Vue.js, Flask, Spring Boot, NodeJS, Flutter, UI/UX Design, jQuery

Database Management: MySQL, Oracle DB, IBM DB2, MongoDB, NoSQL, Firebase

Software Tools & DevOps: Docker, SOLID Principles, Kubernetes, Maven, Git (BitBucket), Jira, Swagger, Mockito, JUnit

Operating Systems & Tools: Proficiency in Windows, Android, Unix/Linux environments, Experience with Sybase and XML, JSON

PROJECTS

Event Detection in Social Media Streams using Python (Dissertation)

June 2023 - September 2023

- ▶ Conducted in-depth analysis of Twitter data to categorize and derive insights from textual content.
- ▶ Implemented advanced text preprocessing techniques, compared and applied various text representation methods, including TF-IDF and Word2Vec, and employed clustering techniques such as KMeans, Elbow Method, PCA, as well as topic modeling using LDA and NMF

Bird Sighting Web Application

January 2023 - April 2023

- ▶ Engineered a dynamic Web Application with proficiency in NodeJS and Javascript, facilitating seamless insertion and viewing of bird sightings.
- ▶ Demonstrated adaptability and flexibility by integrating the DBPedia knowledge graph to identify birds, showcasing a proactive approach to evolving project requirements and effectively incorporating feedback from team members.

Solar Offset Web Application

January 2023 - April 2023

- ▶ Worked collaboratively with a team to create a Web application using Flask framework and Vue
- ▶ Developed a platform assisting households in offsetting their carbon footprint by donating to solar funding.
- ▶ Improved communication and coordination skills through effective collaboration with team members.

ACMS project (Amazon Campus Mentorship Series)

April 2020 - June 2020

- ▶ Drove the development of an innovative expense-sharing app utilizing Android Studio and Java, backed by Firebase.
- ▶ Actively contributed to the creation and implementation of the project, showcasing proficiency in mobile app development and a hands-on approach to problem-solving.

ADDITIONAL EXPERIENCE

Enactus Sheffield

September 2022 - September 2023

- ▶ Played a pivotal role in the Code Creators project, actively contributing to the development, mentoring, and instruction of Python to students
- ▶ Proactively enhanced leadership skills by guiding and mentoring students throughout their learning journey

EXTRACURRICULARS

- ▶ Qualified for first round of FlipkartGrid 2.0 Engineering Campus Challenge
- ▶ Executive member of Raaga (Music) Club (2017-2021)
- ▶ Won Amrita's got Talent among other competitions for vocal skills
- ▶ Tutored underprivileged kids in the local area