

KUSHAL UPRETI

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Education:

Louisiana Tech University, M.S in Computer Science (Nov 2023 – Nov 2025)

GPA: 3.7/4.0

University of Northampton, B.Sc. (Hons) Computing (Aug 2019 – July 2022)

CGPA equiv. :4.0/4.0

GRE: 318 (V: 157, Q: 161)

Skills:

Programming Languages: Java, Python, JavaScript, TypeScript, PHP, SQL, NoSQL, CSS, SASS, HTML

Tools & Platforms: Git, Docker, Bamboo, Google Cloud Platform, Vercel, JIRA, Confluence, Linux

Methodologies & Concepts: TDD, Scaled Agile Framework (SAFe), CI/CD, OOP, Data Structures, Scrum

Experiences:

Teaching Assistant, Louisiana Tech University, Ruston, LA, USA

Dec 2023 – Present

- Conducted interactive study sessions for CSC courses, enhancing student comprehension of data structures and computing concepts, leading to a 15% average increase in exam scores.
- Graded and provided detailed feedback on 150+ assignments every quarter, ensuring students understood key concepts and best coding practices.
- Collaborated with faculty to refine course materials and assessments, improving student engagement and learning outcomes.

Java Software Engineer, Cotiviti Inc, Kathmandu, Nepal

Nov 2022 – Nov 2023

- Worked as a Software Engineer at Cotiviti Nepal, specializing in the Angular/Spring Framework with a robust background in enterprise application development using J2EE.
- Enhanced the Fraud, Waste, and Abuse (FWA) suite of products, delivering 15+ new features across 3 major releases.
- Demonstrated expertise across the entire Java technology stack, mastering tools like Spring Boot, Hibernate, and Maven and embracing RESTful APIs and microservices architecture.
- Excelled in Agile/Scrum methodologies, fostering a collaborative and iterative development environment.

React Intern, Ankamala Org, Kathmandu, Nepal

May 2022 – August 2022

- Developed Srota, a media intelligence platform, enabling real-time monitoring of incidents with 5 layers of interactive data visualizations.
- Enhanced performance of the platform by 25% by optimizing React components and implementing lazy loading for heavy sections.
- Integrated Mapbox for advanced geolocation and mapping features, improving the visualization of incident reporting/mapping through precise layers.
- Collaborated with a team of 3 designers to revamp the site's user interface, resulting in a 40% increase in user engagement and a 20% reduction in bounce rate.

Professional References

Dr. Kevin Cherry

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Dr. Pradeep Chowriappa

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