

Vinit Girkar

Seattle, WA 98121 | vgirkar20@gmail.com | (980) 287-9871 | www.linkedin.com/in/vgirkar | <https://github.com/vgirkar>

EDUCATION:

Master of Science, Computer Science

University of North Carolina Charlotte, NC, USA.

Jan 2021 – Aug 2022

Bachelor of Engineering, Information Technology

University of Mumbai, Mumbai, India.

July 2015 – Jun 2019

TECHNICAL SKILLS:

Languages: Python, Java, C++, C, JavaScript, Kotlin, Typescript, SQL, Node.js, Ruby.

Web development: HTML, CSS, PHP, Semantic UI, React.js, RESTful API's, JSON, GraphQL.

Cloud Platforms: AWS, Azure.

Databases: MySQL, MongoDB, PostgreSQL.

Tools and Frameworks: Android, PHPMyAdmin, GitHub, Microsoft, Spring Boot, IntelliJ IDEA, Gradle, Power BI, Tableau.

Leadership: Team lead experience, Mentorship, Problem Solving, Conflict resolution, Strategic Planning.

PROFESSIONAL EXPERIENCE:

Software Development Engineer, Amazon, Stores Team, United States.

Sep 2022 – Present

- Drove the addition of new language features to 'Kata', aligning with Amazon's UI directives for user component advancement, resulting in a 30% reduction in development time for implementing complex UI components.
- Directed the comprehensive upgrade of the Typescript to Kata compiler API, enhancing compatibility with multiple Typescript versions and standardizing optional argument syntax; reducing compatibility issues by 40% and accelerated development cycles.
- Architected and deployed a comprehensive error recovery system for the Javascript target, fortifying template rendering capabilities and implementing targeted error safeguards to eliminate up to 90% of potential errors, resulting in improved overall system reliability and performance

Graduate Teaching Assistant, University of North Carolina Charlotte, USA.

Feb 2021 – Aug 2022

- Teaching assistant for the course "Data Structures and Algorithms".
- Orchestrated interactive learning experiences, leveraging innovative teaching techniques and resources to engage students and foster a collaborative environment; positively impacted student participation and enthusiasm for the subject matter.

Software Engineer Intern, Suven Consultants, India.

Aug 2019 – Sept 2020

- Developed a scheduling application for users to select/remove their sessions during a seminar, helped users to connect to other users and exchange one to one messages.
 - Collaborated with the team to work on fixing bugs and introducing enhancements in the applications such as implementing Unit testing using Mockito and resolving crashes reported on crashlytics.
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ACADEMIC PROJECTS:

Automated Essay Evaluation Using Machine Learning, [GitHub](#)

Mar 2021 – Jun 2021

- Developed an NLP-based automated essay scoring system using a dataset of 1300 essays from Kaggle; extracted features include word count, sentence count, and parts of speech. Utilized 5-fold cross-validation for training and testing.
- Employed Quadratic Weighted Kappa for error measurement, reflecting agreement between model predictions and human scores. Achieved 80% accuracy, tested on 1500 essays.

RouteSpotter, [GitHub](#)

Aug 2021 – Dec 2021

- Designing a responsive website with an easy user interface to help the people connect with each other with their likes and dislikes as their decision factor for creating the groups for the events.
 - Implementing large-scale mongo DB solutions for better performance and reliability with Node.js REST API's.
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Others

- **Soft Skills:** Problem Solving, Team collaboration, Communication, Time management, Adaptability.
- **Languages:** English, Hindi, Marathi, Gujarati.
- **Certification:** Android Development, Machine Learning(A to Z), Oracle Certified Java Programmer.