

# Mohit Kambli

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## EDUCATION

### Syracuse University

Master of Science in Computer Science

Syracuse, New York

August 2022 – May 2024

### Vidyalankar Institute of Technology

Bachelor of Engineering in Computer Engineering

Mumbai, Maharashtra

July 2016 – May 2020

## EXPERIENCE

### Software Development Engineer

Syracuse University

May 2024 – Present

Syracuse, New York

- Developed full-stack application using ReactJS for frontend, Flask and Python for backend, assimilated Kafka for real-time messaging, resulting in a 30% boost in overall system performance and responsiveness
- Leveraged AWS services, including Lambda for serverless image processing and S3 for scalable storage and retrieval, optimizing processing time by 25% while ensuring seamless scalability and high availability
- Enhanced system reliability by streamlining deployment through Netlify and automated CI/CD pipelines, reducing deployment downtime by 40%

### Software Engineer

Vistaar Technologies

July 2020 – August 2022

Mumbai, Maharashtra

- Crafted diverse solutions in Java, JavaScript, Shell, and Perl to address intricate customer-reported issues and migration, harnessed IAM, EC2 and RDS for scalable infrastructure, reducing resolution time by 30%
- Utilized Spring Framework & SpringBoot for code fixes and enhancements across microservices architecture, incorporated Kafka & Elasticsearch for improved search performance, leading to 20% increase in customer satisfaction
- Coordinated with teams to refactor code, ensuring 100% adherence to coding standards, used Tortoise Workbench and IssueTracker to track issues and improvements. Participated in code reviews and knowledge-sharing sessions

## PROJECTS

### ColorJam

June 2023 – August 2023

- Constructed web application for extracting dominant colors from images using the K-Means clustering algorithm in Python, hosted on PythonAnywhere, improving user engagement by 20% through design & responsive performance
- Engineered a comprehensive architecture integrating Lambda and S3, optimizing serverless functions for image processing, which improved data handling capabilities by 30%
- Streamlined real-time data processing and event handling for efficient management of large datasets, leveraging CI/CD pipelines to automate deployments, resulting in a 30% increase in operational efficiency

### CuseConnect

November 2023 – December 2023

- Devised Android Application to streamline student grievance reporting with real-time updates via Cloud Firestore, reducing response time by 30% and improving student satisfaction
- Implemented event and dining discovery features, amalgamated Ticketmaster API for ticket purchases and Yelp API for restaurant listings with Firebase for user preferences, boosting student engagement and app usage by 25%

### TopicModelingForTweets

January 2023 – May 2023

- Conceptualized Python application, combined Lambda for serverless preprocessing of tweet data using pandas, nltk and langdetect, improving data quality and processing efficiency by 25%
- Employed LDA, HDP, and NMF topic modeling with Gensim and Scikit-learn on backend, leveraged S3 for scalable data storage, optimized model accuracy with Coherence Scores, resulting in a 30% improvement in topic coherence
- Enhanced data visualization and insights using Matplotlib for real-time topic distribution analysis, blended into the web app, and deployed seamlessly using EC2, improving system scalability and reducing processing time by 20%

## TECHNICAL SKILLS

**Languages :** Java, JavaScript, Python, C++, C#, Golang, Kotlin, Dart, SQL, Perl, Shell, C

**Frameworks :** ReactJS, React-Native, Flutter, Flask, Spring, SpringBoot, Hibernate, Node, jQuery

**Tools :** IssueTracker, S3, EC2, Lambda, Firebase, Android Studio, GitHub, PowerShell

**Databases :** MongoDB, OracleSQL, PostgreSQL, SQLite, Microsoft SQL, MySQL, DynamoDB, Amazon RDS, SQLite

**Certifications :** Oracle Certified Associate Java Programmer (Java-8)

## EXTRACURRICULAR

### Open Source Contributions & Participation

- Augmented to open source projects, with 15+ PRs merged, showcasing collaborative coding skills
- Administered in Smart India Hackathon by creating voice prescription app for doctors & reduced errors by 20%
- Cooperated in College's Technical Fest by implementing a Scorecard Management System for Kabaddi using C