Mohit Kambli

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EDUCATION

Syracuse University — Syracuse, New York
Master of Science in Computer Science — *August 2022 – May 2024*

Vidyalankar Institute of Technology — Mumbai, Maharashtra
Bachelor of Engineering in Computer Engineering — *July 2016 – May 2020*

EXPERIENCE

Software Development Engineer — May 2024 – Present
Syracuse University — *Syracuse, New York*
- Developed a full-stack application using ReactJS, Flask, and Python, achieving a 30% improvement in system performance by integrating MongoDB Atlas for user data storage and Redis for image caching
- Utilized AWS services, including Lambda for serverless image processing and S3 for scalable storage, cutting processing time by 25% and enhancing system scalability and availability
- Improved system reliability by streamlining deployment with Netlify, automated CI/CD pipelines, and integrated caching solutions, reducing deployment downtime by 40% and boosting user experience with faster response times

Software Development Engineer — Dec 2022 – May 2023
Syracuse University — *Syracuse, New York*
- 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, improving system scalability and reducing processing time by 20%

Software Engineer — July 2020 – August 2022
Vistaar Technologies — *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 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%

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, Redis
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