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 - Research Intern   May 2024 – Present
Syracuse University   *Syracuse, New York*
- Developed a full-stack application using ReactJS, Flask, and Python, achieving a 30% boost in performance by leveraging Aiven-hosted PostgreSQL for scalable data storage with psycopg2, and enhancing load times with Redis for image caching
- Optimized processing efficiency with AWS Lambda for serverless image handling and Amazon S3 for scalable storage, reducing processing time by 25% and improving system scalability
- Improved reliability and response times by implementing Netlify for frontend hosting, Vercel for backend hosting, and automated CI/CD pipelines, reducing deployment downtime by 40% and ensuring a seamless user experience

Software Development Engineer - Research Intern   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, leveraged Kibana and CloudWatch for log monitoring, 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 for serverless image processing, complemented by MongoDB Atlas for efficient NoSQL user data management, enhancing 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, Kibana
Databases : MongoDB, OracleSQL, PostgreSQL, SQLite, Microsoft SQL, MySQL, DynamoDB, Amazon RDS, 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