

Udish Kumar

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EDUCATION

- **Master of Science in Computer Science** | University of Southern California
Coursework: Analysis of Algorithms, Web Technologies, Security Systems, Database Systems. **Expected Dec 2024**
GPA: 3.5/4.0
- **Bachelor of Technology in Computer Science & Engineering** | Punjab Technical University
Coursework: Data Structures & Algorithms, RDBMS, Operating Systems **Aug 2012 – July 2016**
GPA: 3.6/4.0

WORK EXPERIENCE

- **Lead Software Engineer | NTT Data** **Nov 2021-Dec 2022**
 - Spearheaded the design and optimization of the Operational Data Store, enhancing internal systems efficiency by 50%, and migrated key utilities from MuleSoft to Python, boosting performance by 70%.
 - Led a 14-member team to develop ODS at NTT Data, receiving the Kokua award for punctuality and accountability.
- **Senior Software Engineer | PricewaterhouseCoopers LLP (PwC India)** **Apr 2021-Oct 2021**
 - Developed technical frameworks, improving team productivity by 60%, and led 8 members in delivering a pivotal project for a government bank.
 - Conducted over 100 interviews and evaluations, contributing significantly to recruitment and technical community engagement.
- **Software Engineer | Software AG** **Dec 2018-Mar 2021**
 - Maintained 150+ critical applications, improving SLA compliance by 98.67%, and received the B5 value champ award for innovations in API management.
 - Achieved QA process optimization, boosting debugging efficiency by 80% for multiple projects.
- **Associate Software Engineer | Cognizant** **Oct 2016-Nov 2018**
 - Engaged in full SDLC phases, demonstrating a keen ability to meet tight deadlines and enhance operational acceptance testing documentation.
 - Addressed and resolved various defects, contributing to successful go-live activities and user acceptance testing phases.

TECHNICAL SKILLS

- **Languages & Libraries:** C++, Java, Python, Kotlin, HTML, CSS, Vanilla JavaScript, TypeScript, AJAX, XML, PL/SQL, Matplotlib, Scikit-learn, Pandas, NumPy, jQuery
- **Tools:** GCP, Heroku, Apache Spark, Hadoop, Jenkins, CI/CD, Mirantis Kubernetes Engine(formerly Docker Enterprise/UCP), Git, AWS Code Commit, Bitbucket, PyCharm, Visual Studio Code, Android Studio Hedgehog, JIRA, Confluence, Service Now, Trello, Swift Kanban, FileZilla, WinSCP, SOAP-UI, Junit, Apache JMeter, Dynatrace, Postman, Slack, Splunk, WordPress, Pretty Html, Winston Logger, Jinja2, Angular17, ReactJS, NodeJS, Flask, FastAPI, Facebook SDK

PROJECTS

- **FindMyProduct! Android App | Kotlin, MongoDB, NodeJS, GCP**
 - Spearheaded the development of 'FindMyProduct!' for Android using Kotlin, successfully launched on Google Play.
 - Integrated eBay API for dynamic searches, geolocation tracking, and a seamless RecyclerView-based UI.
 - Engineered a persistent wishlist feature with Preferences Manager and enhanced social sharing capabilities via MongoDB and Facebook SDK integration.
- **FindMyProduct! Angular Website | HTML, CSS, Angular, Typescript, MongoDB, Bootstrap, NodeJS, GCP**
 - Developed a responsive Angular web application featuring real-time eBay API product searches. Implemented Bootstrap for responsive design and hosted the solution on GCP.
 - Introduced AJAX for an interactive search experience, MongoDB for wishlist functionality, and Facebook integration for sharing, amplifying user engagement.
- **FindMyProduct! Flask Website | HTML, CSS, VanillaJS, JSON, Python, Flask, AJAX, GCP**
 - Crafted a Flask-based web application utilizing Python and AJAX to integrate eBay's Finding API for live product searches. Deployed the interactive solution on GCP.
 - Designed a straightforward front-end using HTML, CSS, and Vanilla JavaScript, with JSON for efficient data presentation, enhancing the user's search experience.

LEADERSHIP & INVOLVEMENT

- **Graduate Teaching Assistant:** Outperformed 900 contenders to mentor in Database Systems with Dr. Saty Raghavachary.
- **Viterbi ITP Advising Assistant:** Streamlined Viterbi(ITP) admissions, boosting process efficiency and student engagement.
- **Viterbi BA Office Assistant:** Refined business workflows and financial categorization at USC Viterbi Business Affairs office.
- **Viterbi Graduate Student Mentor:** Mentored 10+ incoming international students from diverse backgrounds in Fall 2023.