

# AKSHAY CHAVAN

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## Skills

- **Languages:** JavaScript, TypeScript, Python, Java, Ruby, C#, C, C++, HTML, CSS, Bash Scripting
- **Frameworks:** Angular, React, NodeJS, Ruby on Rails, Android, Bootstrap, jQuery, Flask, REST API,
- **Databases:** MySQL, PostgreSQL, MongoDB, SQLite, Firestore, Redis, SQL Server
- **Tools:** Git, Bitbucket, Postman, WSL, VSCode, Android Studio, MySQL Workbench, JIRA, Clickup, Jupyter Notebook, Figma
- **Cloud:** GCP, AWS, Docker, Kubernetes, ElasticSearch
- **Certifications:** Google Cloud Certified - *Professional Cloud Developer* *Associate Cloud Engineer* *Cloud Digital Leader*

## Experience

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|--|---------------------------|-------------------|-------------------|
| <b>Full Stack Engineer</b>   | <a href="#">PriceLabs</a> | Chicago, IL, USA  | 10/2022 - 08/2023 |
| <ul style="list-style-type: none"><li>• Boosted the efficiency of <b>dynamic pricing mechanism</b> by 25% through the development of an optimized workflow, resulting in 40% reduction in UI interactions and an increase in overall customer satisfaction by 8%.</li><li>• Implemented <b>Zoho SalesIQ chat integration</b>, capturing user details through login and leveraging logged-in user context to pre-populate critical data points during chat requests and ticket creation via the Zoho widget resulting in a 20% reduction in ticket handling time.</li><li>• Engineered an <b>automated localization process</b> that completely eliminated the need for manual intervention, resulting in 100% reduction in errors and significantly reducing the turnaround time.</li></ul>  |                           |                   |                   |
| <b>Software Developer</b>  | <a href="#">Quantiphi</a> | Mumbai, MH, India | 07/2021 - 10/2022 |
| <ul style="list-style-type: none"><li>• Created and implemented an end-to-end software product for a client utilizing machine learning algorithms that successfully detected 90% of construction defects and misalignments, resulting in a 30% reduction in field technicians' time spent on risk mitigation and a cost saving of \$50,000 per project.</li><li>• Developed <b>machine learning integrated web and android applications</b> for speech analytics, KPI prediction, and real-time feedback loop to agents on outbound calls data, resulting in complete automation of customer service calls for multiple businesses, reducing operational costs by 70%.</li><li>• Collaborated with Google team to deploy software application on GCP cloud and develop an ML model utilizing Vertex AI, resulting in a 50% reduction in model training time and a ~10% increase in model accuracy.</li></ul> |                           |                   |                   |
| <b>Software Engineer</b>   | <a href="#">FinIQ</a>     | Pune, MH, India   | 07/2019 - 07/2021 |
| <ul style="list-style-type: none"><li>• Spearheaded the design and implementation of high-performance <b>structured trading applications</b> for leading banks in Asia, including Bank of China and UBS, contributing to a monthly revenue of over \$1 million.</li><li>• Optimized code and backend procedures for multiple software products in FinIQ's development environment, resulting in a 15% improvement in product performance and a 20% reduction in maintenance time.</li><li>• Implemented a CI/CD pipeline for a large-scale web application, resulting in a 80% reduction in deployment time and increased reliability of software releases. Utilized code reviews, load/stress testing, and various testing frameworks to ensure high-quality software delivery.</li></ul>   |                           |                   |                   |

## Internships

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|---|--|---------------------|-------------------|
| <b>Research Intern</b>  | <a href="#">Carnegie Mellon University</a> | Pittsburgh, PA, USA | 09/2021 - 02/2022 |
| <ul style="list-style-type: none"><li>• Conducted research on optimizing preprocessing pipelines for Cryo-EM images using state-of-the-art deep learning architectures including VGG-16, ResNet, and Vision Transformers, resulting in a 5% improvement in feature extraction and classification accuracy compared to previous methods.</li></ul> |  |                     |                   |
| <b>Mobile Application Development Intern</b>  | <a href="#">The Sparks Foundation</a>      | Singapore           | 11/2021 - 12/2021 |
| <ul style="list-style-type: none"><li>• Developed mobile applications to achieve given tasks while assisting fellow interns by resolving their task-related queries and providing technical implementation guidance, contributing to team productivity.</li></ul>   |  |                     |                   |
| <b>Software Development Engineer Intern</b>   | <a href="#">FinIQ</a>                      | Pune, MH, India     | 05/2018 - 06/2018 |
| <ul style="list-style-type: none"><li>• Collaborated with cross-functional teams of designers, developers, and product managers to contribute towards developing a new web application feature, resulting in a 20% increase in user engagement.</li></ul>   |  |                     |                   |

## Education

- |   |  |                   |                   |
|---|--|-------------------|-------------------|
| • <b>MS in Computer Science</b>         | <a href="#">Northeastern University</a>          | Boston, MA, USA   | 09/2023 - 12/2025 |
| • <b>BE in Computer Engineering</b>     | <a href="#">Savitribai Phule Pune University</a> | Pune, MH, India   | 08/2016 - 06/2019 |
| • <b>Diploma in Computer Technology</b> | <a href="#">M.S.B.T.E., Mumbai</a>               | Mumbai, MH, India | 06/2013 - 06/2016 |

## Projects

- [Portable Antivirus System](#): An antivirus system residing in USB drive, designed to provide plug-and-play scanning functionality.
- [Vaxicov](#): an Android app that checks for the availability of Covid-19 vaccination slots and sends real-time notifications to users, helping them secure a vaccination appointment. (Available on [Google PlayStore](#))