Akshat Aggarwal

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Work Experience

Intuit   Bengaluru, India
Software Engineer 2   Jan 2026 - Present
- Designing and developing custom object capabilities for Intuit's Enterprise Suite.

Software Engineer 1   Aug 2024 - Jan 2026
- Engineered multi-entity **Dimensions capability** using **React, TypeScript, GraphQL, and backend services**, supporting complex mid-market accounting workflows at scale.
- Implemented end-to-end **Role-Based Access Control (RBAC) / AuthZ** across UI and APIs using LDAP-backed roles, securing sensitive financial data and admin operations.
- Built **bulk dimension assignment workflows** for transaction line items, resulting in a $7\times$ **increase in user engagement** and reduced manual bookkeeping effort.
- Integrated **AI/ML-powered recommendations** into transaction forms with optimized API triggering, improving form performance and user efficiency.
- Diagnosed and resolved a **production performance bottleneck** by identifying missing DB indexes and validating fixes through scale testing before release.
- Improved engineering velocity by **reducing UI test runtime by 75%** and introducing repeatable **Gatling load testing** practices for backend services.
- Contributed reusable platform components in shared frameworks, improving extensibility for multiple product teams.

Salesforce   Bengaluru, India
Associate Member of Technical Staff   Jun 2024 - Aug 2024
- Enhanced onboarding experience for core engineers in the Industries Cloud by creating **better documentation**.
- Helped draft a guide to aid new **MuleSoft developers** to help them start contributing quickly.

Cisco   Bengaluru, India
Software Engineer Intern   Jan 2024 - May 2024
- Contributed to the **Secure Cloud Control (SCC v2)** project in the **XDR team**.
- Conducted functional and automated testing with **Jest** and **Playwright** ensuring atleast 90% code coverage.
- Performed client-side performance testing, providing insights by comparing SCC v1 and SCC v2.
- Automated PR notifications using Webex APIs and integrated micro-apps with **Webpack Module Federation**.
- Identified and resolved multiple bugs in the internal UI library and other products.

Education

National Institute of Technology, Hamirpur   Hamirpur, India
Bachelor of Technology, Computer Science & Engineering   Dec 2020 - May 2024
*CGPA: **9.66** (Gold medalist)*

Projects

Cardiocare (*Node.js, React, Express, MongoDB, Swagger UI, Flutter*)   [Github]
- Led the **backend development** for Cardiocare, a healthcare application designed for doctors at **IGMC Shimla**, enhancing patient care and medical record management.
- Designed and documented RESTful APIs using **Swagger UI**, ensuring seamless collaboration.
- Integrated with **Firebase** for authentication and real-time database.

RFID Attendance System (*Node.js, React, Express, MongoDB, Arduino*)   [Github]
- Developed a highly efficient attendance tracking system by integrating RFID technology, enabling users to register attendance through **RFID card scanning** and streamlining attendance process.
- Established seamless **serial communication** between the Arduino board and Node.js.

Paint Application (*C++, WinBGIm Graphics Library*)   [Github]
- Built a **feature-rich paint application** with an intuitive graphical interface for effortless digital art creation.
- Implemented key functionalities, including **JPEG export, color palette selection, brush size adjustments**, and more.

Achievements

- **ICPC** | Achieved recognition as an International Collegiate Programming Contest (**ICPC**) 2023 Regionalist with team **Deadlock** , demonstrating exceptional algorithmic problem-solving skills

- **Cisco** | Selected as one of **23** finalist teams for **Code with Cisco** codathon out of over **60,000** participants.

- **CodeChef** - **master_mind14**
  - Achieved **6 star** rating with a peak rating of **2211**, ranking among the top **400** out of **2,00,000+** Indian users.
  - Ranked **30th** globally out of **2900+** participants in **March Cook-Off 2022 Div-2**.

- **Codeforces** - **master._.mind**
  - Achieved the title of **Expert** with a peak rating of **1671**.
  - Ranked **143rd** globally (39th in India) out of **18,000+** participants in **Codeforces Round 820**.

- **Leetcode** - **AkshatAggarwal14**
  - Ranked among top **1.6%** users on Leetcode with a maximum Rating of **2112**
  - Ranked **99th** globally (5th in India) out of over **18,000** participants in **Biweekly Contest 91**.

Skills

Languages	C, C++, Python, Kotlin, TypeScript, Go, Java, GraphQL
Databases	MySQL, MongoDB, PostgreSQL
Frameworks	ReactJS, NodeJS, ExpressJS, FastAPI, Spring Boot
Tools	Git, GNU/Linux, Postman, AWS
Others	Bash, Markdown, LaTeX, Webpack, Swagger