

# Aryan Gupta

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## Education

### University of Illinois Urbana-Champaign

*M.CS. in Computer Science*

Urbana, Illinois

Aug 2024 – Dec 2025,

### Arizona State University

*B.S. in Computer Science*

Tempe, Arizona

GPA: 3.96/4.00, Aug 2020 – May 2024

**Course-work:** Data-Structure & Algorithm, Database Management, Software Engineering, Artificial Intelligence, Machine Learning, iOS Development, Service Oriented Computing, Digital Design, Compiler Design, Kernel Programming

## Skills

**Languages:** Java, JavaScript, Python, Swift, C/C++, C#, SQL.

**Full Stack Development:** Web Development (React.js, JavaFX, Node.js, ASP.NET), iOS (SwiftUI, Firebase), PyQt.

**Databases:** RDBMS (MySQL, PostgreSQL), NoSQL (MongoDB).

**Tools:** AWS, Git, Docker, Postman API, Docker, Agile, Scrum.

## Work Experience

### Arizona State University

*Academic Success Tutor*

Tempe, Arizona

Sept 2023 – May 2024

- Prepared study materials on Java: DS Algo, Math: Calculus-I & Calculus-II & Science: Physics concepts.
- Monitored 100+ review sessions based on Programming to prepare students for assignments & class projects.
- Instructed 1000+ students to review introductory & advanced course concepts & improve students study strategies.

### Siemens EDA

*Software Development Engineer Intern*

Noida, Uttar Pradesh, India

May 2023 – Aug 2023, Full-time

- Developed PyQt app, providing users with better data exploration capabilities, reducing analysis time spent by 30%.
- Analyzed Matplotlib to create 10+ graphs, NumPy & SciPy to perform 50+ mathematical operations on the AXI data.
- Enabled users to compare & save plots to make Debugging AXI Stream efficient, reducing the debugging time by 34%.

### Appture Technology

*Full Stack Software Development Intern*

Jaipur, Rajasthan, India- Online

May 2023 – Aug 2023

- Devised a Full Stack JavaScript solution, for Service Providers in Auto Industry, to track the status of all services.
- Coded React.js for frontend & connected to PostgreSQL database via Node.js runtime to handle 1K+ customers.
- Engaged with Product Development Team to consolidate the Web App, achieving 80 higher customer satisfaction.

## Projects

### Intelligent & Bounds | *SwiftUI* | [GitHub](#)

- Reorganize the existing iOS app Architecture on Figma, and integrate 2 new features to optimize UX.
- Revamp iOS application using SwiftUI framework, integrating the Order History and Customer Information.
- Integrate the new features with the Node.js backend system to fetch and display the data with 30% reduced time.

### INVControl | *SwiftUI, Firebase* | [GitHub](#)

- Managed a Full Stack iOS App, for proprietors, that can keep a record and send updates of 100+ items in the stock.
- Structure Use Case, Class Diagram and MVVM architecture of the application to plan the 1st iteration of the project.
- Coded SwiftUI for frontend, Firebase as headless CMS for backend & manage data of 1000+ users.

### ConnectSocial | *Java, JavaFX, MySQL* | [GitHub](#)

- Devised a Full Stack app, for users, that can connect with 50+ Friends, Like & Comment on 100+ Posts and make Posts.
- Led a team of 4 students to prepare GUI using Scene Builder with 60 less time, app functionalities using Java.
- Integrated MySQL DB with JavaFX using JDBC to ensure 30 efficient data retrieval with 100 data security.

### FastOrder | *ASP.NET, Web Services* | [GitHub](#)

- Devised a Full Stack app, for users, that can connect with 50+ Friends, Like & Comment on 100+ Posts and make Posts.
- Led a team of 4 students to prepare GUI using Scene Builder with 60% less time, app functionalities using Java.
- Create 5+ WCF & RESTful Services to manipulate XML files data, eliminating the need of Database by 100%.