Aryan Gupta

📱 +1 (602)326-7916 | @ aryan.gupta.careers@gmail.com | 🔗 LinkedIn | GitHub

EDUCATION

University of Illinois Urbana-Champaign — Urbana, Illinois
*M.CS. in Computer Science; **GPA: 3.96/4.00*** — *Aug 2024 – Dec 2025*
*M.CS. in Computer Science; **GPA: 3.96/4.00*** — *Aug 2024 – Dec 2025*

Arizona State University — Tempe, Arizona
*B.S. in Computer Science; **GPA: 3.96/4.00*** — *Aug 2020 – May 2024*
*B.S. in Computer Science; **GPA: 3.96/4.00*** — *Aug 2020 – May 2024*

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 — Tempe, Arizona
Academic Success Tutor — *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 — Noida, Uttar Pradesh, India
Software Development Engineer Intern — *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 — Jaipur, Rajasthan, India- Online
Full Stack Software Development Intern — *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%.

Relevant Coursework

Major coursework: Materials Science, Electrical Circuits I-II, Digital System Design, Numerical Methods, Probability Theory, Electronics I-II, Signals and Systems, Electromagnetic Field Theory, Energy Conversion, System Dynamics and Control, Communication Engineering, Pattern Recognition, Introduction to Digital Signal Processing, Introduction to Digital Communications, Introduction to Database Systems, Introduction to Image Processing, Machine Vision

Minor coursework: Discrete Computational Structures, Introduction to Object-Oriented Programming, Data Structures and Algorithms, Computer Organization, Fundamentals of Software Engineering

Hobbies

Basketball, Swimming, Fitness, Eight-ball, Horology

References

References available upon request.