Aryan Gupta

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EDUCATION

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

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

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 — 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%.