Aryan Gupta

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EDUCATION

Arizona State University — Tempe, Arizona
*B.S. in Computer Science; **GPA: 3.96/4.00*** — *Aug 2020 – May 2024*
*Minor Degree in Computer Science; **GPA: 3.58/4.00*** — *Oct 2020 – Jun 2023*

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 Stste University — Tempe, Arizona
Academic Success Tutor — *Sept 2023 – May 2024*
- Instructed 1000+ students to review introductory & advanced course concepts & improve students study strategies.

- Prepared study materials on Java: DS Algo & Java-FX, Math: Calculus-I & Calculus-II & Science: Physics concepts.
- Monitored 100+ review sessions based on Programming to prepare students for assignments, exams & class projects.

Siemens — Noida, Uttar Pradesh, India
Software Developer Engineer Intern — *May 2023 – Aug 2023, Full-time*
- Developed a 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 Developer 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.

AWARDS & ACHIEVEMENTS

High Honors Degree: Awarded to Bachelor alumni who have graduated with a GPA greater than or equal to 3.50 by Boğaziçi University. (Jul 2023)

TÜBİTAK 2247-C Intern Researcher Scholarship: Awarded to students who take part in research projects carried out by the Scientific and Technological Research Council of Turkey (TÜBİTAK). (Dec 2021 – Jun 2022)

KYK Outstanding Success Scholarship: Awarded to students who have been ranked in the top 100 on National University Admission Exam by Higher Education Credit and Hostels Institution (KYK). (Sep 2018 – Jun 2023)

Kocaeli Science High School Valedictorian Award: Graduated as the highest ranked student. (Jun 2018)

PROJECTS

INVControl | *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 | *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.

DS&A Projects | *GitHub*

- Five Java projects that apply DS&A concepts such as discrete-event simulation using priority queues, Dijkstra's shortest path algorithm, Prim's algorithm to find the minimum spanning tree, Dinic's algorithm for maximum flow problems, and weighted job scheduling with dynamic programming to real-world problems.