

Aryan Jain

linkedin.com/in/aryanjain28 | github.com/aryanjain28 | https://aryanjain28.github.io/

(857) 308-8848 | ariyanjn807@gmail.com | Boston, MA - 02130

EDUCATION

- **Khoury College of Computer Sciences, Northeastern University** Boston, MA
Masters of Science in Computer Science; CGPA: 4.00 Jan 2023 – May 2025
- **Savitribai Phule Pune University** Pune, India
Bachelor of Engineering; GPA: 8.56 / 10.00 Jul 2017 – Aug 2021

TECHNICAL SKILLS

- **Languages and Frameworks:** C/C++, Java, Python, Node.js, React.js, Javascript, Typescript, HTML/CSS/SCSS
- **Databases:** MongoDB, MySQL, PostgreSQL, SQL Server, Oracle, Distributed Systems, AWS, Google Cloud Platform
- **Testing and Tools:** Git, Docker, Jest, Mocha, Jira, Linux, Windows, macOS

EXPERIENCE

- **Northeastern University** Boston, MA
Teaching Assistant / Full-Stack Jan 2023 - Present
 - **Teaching Assistant - Fundamentals of Software Engineering (CS-4530)**
 - Guided over 400 students in full stack development, utilizing technologies such as Typescript, React.js, Next.js, and Node.js. Conducted 15+ weekly office hours, mentoring and assisting to students with their projects.
 - Managed group projects by assigning tickets, leading scrum calls, implementing CI/CD pipelines, and utilizing 3rd party libraries such as Firebase, Twilio, and Swagger. Successfully deployed 7+ new features on Heroku.
 - Provided guidance to students on various CS concepts such as cycle models, software scalability, project planning, software reliability and security, testing, user flows, role-based flows, wireframes, and more.
- **Josh Software Pvt. Ltd.** Pune, India
Software Developer / Full-Stack Jan 2021 - Nov 2022
 - **Lemnisk**
 - Redesigned the application architecture by incorporating modern technologies such as server-side rendering (Next.js), TypeScript, React-Query, resulting in a remarkable 90% increase in performance.
 - Developed advanced chart types, including Radar, Sunbursts, and Funnels. These visually appealing and informative additions to the project resulted in a significant 50% increase in client engagement.
 - Revamped and optimized Node.js CRUD endpoints for a CRM platform, reducing response time by 50%. This improvement enhanced the platform's performance and responsiveness, positively impacting user experience.
 - **BidWheelz**
 - Developed dashboard UI in React, leveraging libraries like AntD for designing and Redux-Thunk for state management. Achieved a remarkable 70% traffic increase through seamless frontend-backend integration.
 - Developed REST APIs for slot booking using websockets, Express.js, and MySQL. Integrated payment gateway using 3rd party library. Conducted Jest unit testing to ensure reliability and quality of implementation.
 - **MyLab (Healthcare client)**
 - Utilized web sockets for time series data visualization using charts. Utilized Redux (Sagas) for state management.
 - Developed utility logic supporting extensive usage of session storage to enable role-based feature rendering.
- **Wolffkraft Design Studio.** Pune, India
Backend Developer Intern Jan 2020 - May 2020
 - Implemented ACID compliance, normalization techniques, SQL joins to optimize complex queries involving multiple tables. Achieved over 30% efficiency improvement. Successfully deployed project on AWS EC2 instance.

PROJECTS

- **Metamorphix (React.js, Next.js, Typescript, Node.js, MongoDB)** May 2023 - Jul 2023
 - Developed a day-planner and progress tracker software to track and visually represent progress.
 - Implemented advanced charts, such as HeatMap and Radar. Also utilized React-Query for state management.
- **Super Resolution (GANs, ML, Tensorflow, Python)** Jun 2021 - Aug 2021
 - Studied generative modeling and developed a model that converts the low resolution of an image to super-resolution.
 - Experimented with various neural network architectures like- EDSR, MDSR, ESRGAN.
- **Image Caption Generator (Python)** Jan 2021 - Mar 2021
 - Implemented 'merge' architecture technique to build an ML model that can generate captions for the input image.
 - Experimented with different parameters of the model to improve the BLEU score of that model.

VOLUNTEERING AND CERTIFICATES

- **Volunteer:** Codebase Development (CS4530), utilized by over 500 students. Northeastern University; Summer 2023
- **Certificate(s):** Advanced C/C++ Programming | Java Programming (Core/Adv) Seed Infotech, 2018 / 2019
- **Certificate(s):** Deep Learning Specialization | Tensorflow Specialization Coursera, 2020