

ABHINAV SHARMA

Phone: (607)-262-3731 **Email:** as4336@cornell.edu **Linkedin:** abhinav-chd **Github:** Abhinav-CHD **Personal Website**

Education

Cornell University

Masters in Computer Science

Aug 2024 – Present

Ithaca, NY

National Institute of Technology Delhi

Bachelor of Technology in Computer Science

June 2019 – June 2023

Delhi, India

Experience

Biz2Credit

Software Engineer

July 2023 – July 2024

- Implemented serverless architecture using AWS Lambda and SQS, improving system scalability and reducing operational costs by 25%.
- Optimized loan application processing algorithm and implemented RESTful APIs, reducing processing time by 35%.
- Utilized AWS CloudWatch for real-time monitoring and alerting, increasing system uptime by 15%.
- Tech Stack: *Angular, NodeJS, Docker, MongoDB, MySQL, AWS*

TEG Analytics

Full Stack Developer Intern

January 2023 – June 2023

- Optimized performance bottlenecks in existing back-end systems.
- Optimized database queries, resulting in a 40% reduction in API response times.
- Developed and deployed 20+ front-end Web interfaces to control and monitor the onboard systems.
- Tech Stack: *React, NodeJS, Docker, Jenkins, MySQL, AWS*

Conroy India Technologies

Python Developer Intern

June 2021 – August 2021

- Developed Python scripts to automate data entry processes, increasing efficiency by 70%.
- Automated updating of 20,000+ business descriptions, reducing manual data entry time by 90% and improving data accuracy by 95%.
- Tech Stack: *Python, Pandas, BeautifulSoup*

Projects

StudyBud | Django, SQLite, HTML/CSS

July 2024

- Developed a community-driven web application for users to explore interests and hobbies.
- Optimized database queries, improving overall application performance by 30%.
- Created a custom API using Django REST framework for seamless front-end integration.

Notes | React, HTML/CSS

December 2023

- Achieved a 25% increase in user retention through intuitive UI/UX design.
- Utilized React hooks for state management and LocalStorage for persistent data storage.
- Implemented CRUD operations for notes, allowing users to add, edit, and delete notes efficiently.

Indian States Guessing Game | Python, Tkinter

November 2023

- Built an educational GUI game that aided learning in 10+ local schools.
- Implemented an interactive map interface where users guess Indian states to achieve maximum score.
- Integrated error handling and user feedback mechanisms to enhance the learning experience.

Technical Skills

Languages: Python, Go, C++, JavaScript, HTML/CSS, SQL

Frameworks/Libraries: React, Django, Node.js

Tools & Technologies: Docker, Git, AWS, Jenkins, Nginx

Soft Skills

- **Problem Solving:** Implemented efficient algorithms to optimize data processing in multiple projects.
- **Teamwork:** Collaborated with cross-functional teams to deliver high-quality software solutions at Biz2X.
- **Communication:** Effectively presented technical concepts to non-technical stakeholders during internships.
- **Time Management:** Successfully balanced multiple projects and deadlines in academic and professional settings.
- **Leadership:** Led a team of 3 in developing the StudyBud project, coordinating tasks and ensuring timely delivery.