Shaurya Dahiya

Philadelphia, Pennsylvania | shauryadahiya.vercel.app | shauryadahiya@gmail.com | +(1) 7373349358| LinkedIn | Github
Computer engineer with software development experience in startups | Competitive Coder (C++) | Interested in Software Systems, Web and Mobile Development

Education

Institution	Degree/ Program	Grades	Year
University of Pennsylvania (UPenn – Masters)	Computer and Information Science (Engineering)	-	2025
National Institute of Technology, Kurukshetra	Engineering (Information Technology)	9.35 CGPA / Rank 3	2021
Delhi Public School (High School – 12Th Standard)	Major in Science, Math and Computers	91.4%	2016
Delhi Public School (High School – 10th Standard)	Major in Science, Math and Computers	10/10 CGPA	2014

Experience

Software Developer – Nirva Health   *October 2022 – July 2023*
Tech startup in Healthcare sector, connects users with health coaches among other services
- Switched the backend from **REST Api to GraphQl**, set up the schema using AWS amplify reducing **turnaround time by about 25%**
- Created **tools for internal team management** using **NextJs** and **Retool** increasing the team efficiency by almost **50%**
- **Set up analytics** for mobile app and internal tools using mixpanel and segment, identified various cases to help business growth, directly leading to **increasing retention rate by 1.1x** and improving team productivity
- **Reduced the net buffering time** of streaming videos by **15%** by setting up CDN and video convertor service
- Leveraged AI to help health coaches in medical diagnosis and user diet creation

Software Developer – ElectricPe   *June 2021 – October 2022*
ElectricPe provides EV charging stations and an app for users to find the nearest station
- Worked as backend engineer and developed *app wallet and user behavior tracking* features for the app
- Rebuilt the UI and backend of the user profile page, **reducing its latency by 100ms**

Software Developer Intern – CVENT   *January 2020 - June 2020*
- Project: Backend and UI development of Cvent - Survey Product using **Java Dropwizard** framework and ReactJs
- Build Java Microservice to handle backend data including analytics, auto-population while maintaining consistency

Projects

- Personal Blog – shauryadahiya.vercel.app
- **Voice recognition and speaker diarization**: Developed a Speaker Diarization software using Machine Learning (GNN) and Deep Learning algorithms (CNN), 97% accuracy for 20 people and 93% accuracy for a larger group of up to 60
- **ExamsOnline** – website to conduct exams online and provide an interface between students and professors. Functionality to upload questions and answers files with inbuilt self-developed plagiarism checker

Skills

Languages / Frameworks / DBs - C, C++, JavaScript, Distributed Systems, NodeJS, ReactJS, NextJs, AWS Amplify, AWS complete suit, Firebase DynamoDB, Firebase Realtime DB, PostgreSQL

Academics - Competitive Coding ~1600 Codeforces
Data structures (10 GPA), Algorithms (9 GPA), Operating System (10 GPA), Computer Networks (9GPA)

Tools - Retool, Version Control, Jira, Standard Development and DevOps tools, MixPanel, Segment