

Atharva Kulkarni

atharva.kulkarni21@gmail.com | +1 (732) 829-0453 | [linkedin.com/in/atharvak1708](https://www.linkedin.com/in/atharvak1708) | github.com/AtharvaK1708

EDUCATION

Syracuse University | Master of Science, Computer Science | Syracuse, USA | (GPA: 3.67/4.0) **Aug 2023 - May 2025**

Courses: Databases, Operating Systems, Object Oriented Design, Algorithms, Machine Learning, Internet of Things (IoT)

University of Mumbai | Bachelor of Eng., Computer Engineering | Mumbai, India | (GPA: 9.41/10) **Aug 2019 - Jun 2023**

Courses: Cloud Computing, Software Engineering, Web Development, System Design, Computer Networks, Cybersecurity

SKILLS

- **Programming Languages:** JavaScript, TypeScript, Python, Java, Go, C#, SQL, C, C++, HTML, CSS, Bash
- **Frameworks and Libraries:** React.js, Node.js, Next.js, Vue.js, Angular JS, Express, Spring Boot, Django, Flask, Material UI, Tailwind CSS, Bootstrap, Redux, Scikit-learn, Matplotlib, TensorFlow, Jest, AWS IAM, GraphQL, NumPy, Pandas
- **Databases:** Microsoft SQL Server, MySQL, PostgreSQL, MongoDB, Firebase, Amazon S3
- **Software Tools:** Git, GitHub, AWS, Stripe, Webpack, Postman, JWT Tokens, Figma, Jira, REST, Agile, JSON, SCRUM
- **Soft Skills:** Time Management, Critical Thinking, Teamwork, Adaptability, Strong Communication, Problem Solving

WORK EXPERIENCE

Clutch Delivery LLC, Syracuse, USA | Software Engineering Intern **May 2024 - Aug 2024**

- Boosted user engagement by 40% by designing and developing microservices-based customer-facing website, mobile app, delivery partner app and admin panel using **Figma, React.js, Redux**, focusing on state management
- Improved reliability, **API** performance by building the backend using **Node.js, Express** and **MongoDB**, integrating **Amazon S3** for efficient storage, and adding a **CI/CD** pipeline with **Vercel** for automated builds and **unit testing**
- Elevated customer retention by 20% by launching redesigned platforms with **Stripe Checkout** for seamless payments and implementing **OAuth 2.0** and **JWT tokens** for secure authentication
- Reduced costs by 15% and delivery times by 20% by implementing an optimized delivery assignment algorithm
- Onboarded 20+ restaurants by leading platform demos and walkthroughs, showcasing API integrations, order workflows, and analytics dashboards to support adoption and streamline operations

TCR Innovation, Mumbai, India | Full-Stack Web Developer Intern **Jan 2022 - Mar 2022**

- Engineered a responsive and modular front-end for a travel agency website using **React.js, Tailwind CSS, React Hooks**, and **Redux**, optimizing performance, and maintainability
- Increased overall traffic by 35% by designing a scalable backend with **PostgreSQL, Node.js**, and **Express**, allowing CRUD operations for efficient booking workflows and improved data handling
- Improved **API** response time by 30% by implementing query optimization, database indexing, and efficient **caching** strategies on frequently accessed endpoints

The Sparks Foundation, Mumbai, India | Web Development Intern **Dec 2021 - Jan 2022**

- Improved **REST API** response time by 35% and reduced database query latency by optimizing schema design and refactoring backend logic for a banking website using **Java Spring Boot** and **PostgreSQL**
- Increased backend scalability and secure session handling for 1,000+ banking users by implementing **JWT-based stateless authentication** and role-based access control
- Strengthened transaction integrity and auditability by designing secure, rate-limited RESTful endpoints with detailed activity logging and data validation, reducing critical API failures by 20%

PROJECTS

Syracuse University Shuttle Tracker | Java, Spring Boot, Microsoft SQL Server, React, MVC

- Facilitated real-time bus shuttle requests and drop-offs for 100+ daily university users by designing and developing a bus tracking and request system using Java, Spring Boot, and Microsoft SQL Server
- Reduced shuttle waiting times by 30% by building a React-based frontend with an optimized drop-off algorithm and extensively testing RESTful APIs using Postman to ensure reliability
- Applied core design patterns to enhance code structure, performance and achieved 95% reliability in shuttle tracking

Vocal for Local: An E-commerce Platform | React, MongoDB, Node.js, Stripe, Postman

- Enabled local businesses without an online presence to sustain sales during the COVID-19 outbreak by engineering a robust e-commerce platform using the MERN stack (MongoDB, Express, React.js, Node.js)
- Facilitated seamless credit and debit card transactions for 15+ local businesses on the platform by integrating Stripe Checkout and leveraging Material UI for rapid frontend development

Dermatological Disorder Classification | Convolutional Neural Network, TensorFlow, HTML/CSS, JS

- Achieved 85% accuracy in skin cancer classification by creating a platform using Convolutional Neural Networks to analyze skin lesion photos and further improved model performance by 9% via transfer learning with EfficientNet
- Maintained user privacy by enabling real-time, in-browser image analysis through TensorFlow.js, processing user-submitted images directly on the client side without requiring server storage