

EDUCATION

Master of Science in Information Technology, Arizona State University, Tempe, AZ - *GPA:3.93/4.00* May'24
Bachelor of Technology in Computer Science, Rajiv Gandhi Technical University, India - *GPA:3.79/4.00* May'21

PROFESSIONAL EXPERIENCE

Software Developer, LMS Solutions Pvt. Ltd., India May'21 – Jun'22

- Developed and maintained 9+ **scalable backend services** using **Java Spring Boot** and Node.js, enhancing application performance and ensuring seamless integration with **frontend systems** in **MERN** stack projects.
- Containerized** applications using Docker and **automated deployments** via Kubernetes, while resolving CI/CD issues by optimizing Jenkins and GitHub Actions workflows, resulting in a 40% boost in deployment efficiency.
- Applied **JavaScript design patterns** and **ES6** features, improving code structure and maintainability by 25%.
- Collaborated with cross-functional teams on backend performance optimization, improving server-side processing speed.

Software Developer Intern, OneHash Technologies Pvt. Ltd, India Oct'20 –Apr'21

- Developed **custom UIs** using **Flutter** and JavaScript, and integrated Salesforce and Mailchimp APIs into CRM and ERP systems using **RESTful APIs** and built **Progressive Web Apps (PWAs)** to improve accessibility by 85%.
- Gathered client requirements in an Agile environment and translated them into technical specs to improve system functionality.
- Utilized **Postman** for API testing and **troubleshooting**, working closely with the testing team to achieve a 70% increase in integration efficiency by streamlining workflows with automation.

ACADEMIC PROJECTS

SyncroVerse- Real-Time Collaborative Workspace Fall'23

- Developed **real-time** collab platform(Nextjs, Node.js, Socket.io, TypeScript) supporting low-latency doc editing for multiple users.
- Integrated **Google OAuth 2.0** for secure authentication, role-based permissions, **Redux for state management**, real-time chat, and autosave functionality, leveraging **ES6 features** for clean, efficient, and modular code.
- Utilized **MongoDB** with **document versioning** for consistent data updates & deployed the scalable app on AWS (EC2, S3, Lambda).

Game Genre Analysis - Insightful Database Solution Spring'23

- Designed a hybrid database solution using **MySQL**, **MongoDB**, and **Apache Kafka**, managing 70,000+ data entries.
- Created real-time dashboards with **Tableau**, improving decision-making by 40%.

ADDITIONAL PROJECTS

Portfolio Website - Interactive and Responsive Showcase Spring'24

- Built personal [Portfolio Website](#) using **Next.js** and **Tailwind CSS**, delivering a sleek, responsive design to showcase projects & skills.

BlogVista – Powered by Django Fall'22

- Developed a **full-stack** blogging platform using Django, **PostgreSQL**, and Bootstrap, implementing user authentication, blog creation, dynamic dashboards, blog rendering, and customizable visibility settings with **Django's ORM** and **authentication system**.
- Optimized performance with efficient **database queries**, **caching (Redis)** & responsive design for seamless usability across devices.

RESEARCH EXPERIENCE

Research Aid - Arizona State University, under Prof. Tamuchin McCreless Sep'24 – Present

- Contributing to **spatial data & ML project** using **Python** and **Scikit-learn** to predict optimal restaurant locations, enhancing decision-making through analysis of **NYC data** and reducing prediction errors by **15%** via model optimization.
- Developing geospatial visualizations using **Folium**, aiding in **data-driven** decision-making for restaurant entrepreneurs.

TECHNICAL SKILLS

- Programming & Markup Languages:** JavaScript, jQuery, Python, Java, TypeScript, .NET, Shell Scripting, IDE Extensions, Scala.
- Web Development & Frameworks:** React.js, React-Native, Next.js, Angular.js, Vue.js, Node.js, Express.js, Django, HTML/CSS, WordPress, RESTful API, GraphQL, Postman, Flutter.
- Cloud & DevOps:** AWS - Terraform, EC2, Lambda, S3, Azure, Kubernetes, Docker, Jenkins, CI/CD pipelines.
- Databases & Systems:** MongoDB, MySQL, PostgreSQL, Oracle, DynamoDB, Redshift, S3, Windows Linux/Unix.

CERTIFICATIONS

- AWS Certified Cloud Practitioner (CLF-C02)**