

SHUBHAM GUPTA

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EDUCATION

California State University , Long Beach	Jan 2022 – Dec 2023
Master of Science, Computer Science	
Thapar Institute of Engineering and Technology , Patiala, India	Graduated May 2019
Bachelor of Engineering, Computer Science	

SKILLS

Programming Languages: Python, JavaScript, TypeScript, C++

Frontend: Angular, React, Flask, jQuery, HTML, CSS, Ajax, Bootstrap, RxJS, Webpack, Redux, Selenium, Karma

Backend: Node.js, REST API, .NET Core, MVC, Mongo DB, MySQL

Other Tools and Technologies: Git, Agile Methodology, AWS (EC2, S3, Lambda), Azure, DevOps, JIRA, Docker, Kubernetes

WORK EXPERIENCE

California State University Long Beach	Long Beach, CA
Research Assistant	Aug 2022 - Current
<ul style="list-style-type: none">- Architected dynamic visualizations using Angular and D3.js, to present real-time predictive data from backend power systems monitoring, enabling operators to make granular-level decisions efficiently and effectively.- Employed Angular services and RxJS Observables to establish live backend API communication, enabling real-time alerting on the power systems dashboard for critical events or high predictive uncertainty, enhancing operational responsiveness.	
Deloitte (Jan 2019 – Dec 2021)	Bangalore, India
Senior Software Engineer	Jun 2021 - Dec 2021
<ul style="list-style-type: none">- Leveraged Angular's component-based architecture for text editing interface, incorporating lazy loading, asynchronous image handling, and real-time collaboration through WebSocket, resulting a 2x rise in collaboration and improved experience.- Mentored junior team members through regular code reviews and guided architectural decisions, resulting in a 25% reduction in software bugs, leading to more stable and efficient software development.- Developed containerized solution using docker and orchestrated using Kubernetes, improving system scalability 3x times.	
Software Engineer	May 2019 - May 2021
<ul style="list-style-type: none">- Designed a suite of reusable Angular components, including navigation menus, utility tools, and data-driven modules, resulting in a 30% reduction in project timelines and streamlining development across projects.- Integrated Angular interfaces with .NET Core via REST APIs and HTTP Client, reducing 30% in data interaction times.- Implemented performance-focused design strategies using Angular, CSS, and JavaScript, achieving a 10% boost in visual rendering speed, ensuring a consistent user experience, and maintaining a steady frame rate.- Integrated CDNs into the application; reduced the application's load time by 35%.	
SDE Intern	Jan 2019 - Jun 2019
<ul style="list-style-type: none">- Enhanced web application's user experience with Angular Material, raising retention by 20% and conversions by 15%.- Devised 15+ responsive web user interface using HTML, CSS, JavaScript, and Bootstrap.	

ACADEMIC PROJECTS

Web based Bug Tracking and Reporting Application | Flask, HTML/CSS, JavaScript, Python.

- Built bug tracking software with Flask, enabling bug report management. Crafted UI components in JavaScript and AJAX for real-time updates, reducing page reloads by 50% and enhancing user experience.

Financial Tracking Management Software | Angular, TypeScript, HTML/CSS, RxJS.

- Developed a financial transaction management system that facilitates registration, transaction tracking, and categorization; also minimizing average transaction entry time by 20% through streamlined design and pre-filled forms.

Calorie-mate Web Application | React, Node.js, GraphQL, MongoDB.

- Designed a user-friendly React.js calorie tracker with optimized GraphQL API handling, reducing average response time by 25%. Employed code splitting for a 20% decrease in initial page load time, enhancing user experience.

LEADERSHIP AND HONORS

- Won Game Development Hackathon conducted by NASSCOM and received a cash prize of 3000\$.
- As a Data Structures Teaching Assistant, mentored 150+ students, fostering academic growth and concept comprehension.