

## KUNWARJEET SINGH BINDRA

bindrak@uci.edu | (949) 815-8076 | Irvine, California 92617 | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

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### EDUCATION

#### University Of California, Irvine, California, USA

Sept. 2024 – Dec. 2025

Master of Software Engineering

GPA: 4.0/4.0

**Courses:** Data Structures, Database and Web Programming, Cloud and Security Foundations, Distributed Systems

#### Guru Gobind Singh Indraprastha University, New Delhi, India

Aug. 2017 – June 2021

Bachelor of Technology (Electronics and Communications Engineering)

GPA: 3.67/4.0

**Courses:** Introduction to C/C++, Computer Architecture, Digital System Design, Data Communications and Networks

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### TECHNICAL SKILLS

Java, JavaScript, TypeScript, Python, Data Structures and Algorithms, React.js, Next.js, Node.js, Express.js, MongoDB, AJAX, jQuery, Material UI, HTML, CSS, REST and GraphQL APIs, SQL, NoSQL, Git, GitHub, JIRA, Postman, Jenkins

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### PROFESSIONAL EXPERIENCE

#### NexG IoT Solutions Pvt. Ltd., Gurugram, India

Jan. 2021 – Sept. 2024

Senior Software Engineer

- **Frontend Architecture Expertise:** Developed scalable, maintainable frontend architectures, achieving a 95% on-time delivery rate and resolving 80% of critical issues within 24 hours.
  - **Content Management System (CMS) Revamp:** Led the overhaul of the Content Management System, adding live content workflows, role-based management, and efficient media uploads, boosting user satisfaction by 60%.
  - **React.js and JavaScript Specialist:** Optimized the CMS platform using **React**, **JavaScript**, **Context API**, and **Material UI**, improving load times and scalability by 50%.
  - **FAST Service Development:** Pioneered a **\$200,000 Free Ad-Supported Streaming Television (FAST) Service** with advanced features like drag-and-drop functionality, ad monetization, and automated scheduling, increasing user retention by 20%.
  - **Award-Winning Contributions:** Recognized with **Top Performers Award (Q1 2024)** and **Best Individuals Award (Feb 2023)** for exceptional work on CMS and FAST projects.
  - **Innovative Problem Solving:** Integrated **Java** based **REST APIs** and automated workflows to ensure timely project launches and operational excellence.
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### PROJECTS

#### MailBag Email Application

Oct. 2024 – Dec. 2024

- Devised a full stack single-user email application with features like inbox management, contact handling, and email composition using **TypeScript**, **React**, and **Material UI**.
- Formulated **REST APIs** with **Node.js** and **Express.js** for managing emails and contacts, integrating **Gmail's IMAP and SMTP** services.
- Synchronized frontend interactions with backend operations to ensure real-time updates and smooth functionality.
- Refined the contact management system by enabling **CRUD** operations.

#### ExpressJS E-Commerce Application

July 2024 – Sept. 2024

- Architected a robust **MVC architecture** with **Node.js**, **Express.js**, and **MongoDB (NoSQL)** to manage server-side logic and data for both producers (shopkeepers) and consumers (buyers).
- Designed backend logic to differentiate user roles, enabling seamless handling of consumer functionalities like cart, orders, and product views, as well as producer functionalities like product uploads and management.
- Used **EJS** for dynamic rendering of views, enhancing user engagement for both roles.
- Implemented secure session management with **express-session** and configured **csrf** middleware to safeguard against **CSRF** attacks.