

# ANKU SHARMA

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[Github](#)

[Website](#)

## EDUCATION

Indiana University, Bloomington IN, United States

August 2022 - May 2024

Master of Science in Computer Science

Amity University, Noida, India

August 2016 - May 2020

Bachelor of Technology in Computer Science and Engineering

## TECHNICAL SKILLS

- **Programming Languages:** Java, Python3, JavaScript, TypeScript, HTML, CSS, jQuery, SQL, C
- **Libraries/Framework:** Bootstrap, Selenium, Appium, Cucumber, TestNG, Junit, JMeter, React, Spring Boot, Flask
- **Tools & Technologies:** MySql, MsSQL, MongoDB, PostgreSQL, DBEaver, JIRA, Git, Jenkins, GCP, AWS
- **Certifications:** Automation Testing, Java, C, CCNA Routing and Switching

## WORK EXPERIENCE

Hoosier Community Network, USA

August 2024- April 2025

Senior Consultant

- Translated business specs into **Dockerized Spring Boot** micro-services on **AWS ECS** with **Terraform IaC** and **GitHub Actions** blue-green deploys to halve release time and maintain **99.9% uptime**.
- Built dashboards in **React** served by a **Node.js GraphQL gateway** on **PostgreSQL**; added **JWT auth**, **schema stitching**, and **CI/CD**, to trim worse-case page-load times by **25%** and boosting engagement.

Sweat Equity Systems, Florida, USA

July 2023 - December 2023

Software Engineer Intern

- Developed and optimized **OAuth 2.0 authorization flows** with **TypeScript** and **Google API's Client Library**, integrating **Gmail API** for seamless authentication and secure token management.
- Engineered an **event-driven notification system** using **Firebase Cloud Messaging**, **Cloud Functions**, and **Twilio APIs**, enhancing real-time messaging and boosting user retention by **30%**.
- Spearheaded the development of **messaging system** for a **fitness app**, collaborating with the **founder** and integrating **Twilio's SMS/WhatsApp APIs**, resulting in a **30% increase in daily active users**.

Accenture, Gurugram, India

November 2020 - August 2022

Software Engineer

- Constructed a **secure and user-friendly cash tracking portal** using **Java** and **Spring Boot**, leveraging **Spring MVC** for building web applications and handling **HTTP requests and responses**.
- Employed **Spring Security** framework for **authentication and authorization**, enhancing **data privacy and access control**, reducing **unauthorized access by 40%**, and improving **data protection**.
- Integrated the application with a **PostgreSQL** database using **Spring Data JPA**; designed and implemented **database schemas**, wrote **complex SQL queries**, and fine-tuned **database indexing**.
- Architected **REST API (Spring V5)** to **validate data** and provide **backend support** for a **payment gateway**.
- Led a **team of 3** in revamping the **Report Delivery and Access Management platform** through **code refactoring**, resolving **70+ bugs**, introducing **caching mechanisms**, and boosting **database query efficiency by 50%**.
- Created **automated tests** for **5 client software projects** using **Selenium**, **Appium**, **Postman**, and **JMeter**.

Delhi Transco Limited, Delhi, India

May 2019 - July 2019

Software Engineer Intern

- Refactored **React components** with **hooks**, **memoization**, and **virtualization**, improving **rendering performance by 20%**.
- **Boosted front-end performance** using **code splitting**, **lazy loading**, and **minification**, reducing **website load time by 4 seconds**.

## ACADEMIC PROJECTS

ClipMate - Chrome Extension | *JavaScript, HTML, CSS, Chrome Extensions API*

March 2025- Present

- Designed and built a **Chrome extension** for **efficient clipboard management**, integrating **real-time search**, **item deletion**, and **browser storage**, enhancing **productivity** and cutting **manual effort by 90%**.
- Formulated an **email-sharing feature** for sharing data with **dynamic form submissions**, **serverless architecture**.

WhatsApp Bot | *Python, Flask*

December 2023 - January 2024

- Developed a **WhatsApp chatbot** that searches the web using the **googlesearch library** and delivers the **top 3 results** via **Twilio API**, ensuring **97% accuracy** while eliminating the need to switch applications.

Delivery Management System: B-Town Dash | *React, Node.js, JavaScript, MongoDB*

February 2023 - April 2023

- Orchestrated and refined **dashboards** for a **delivery management system**, enhancing **customer experience** with **seamless order tracking** and **real-time feedback**, potentially reducing **cancellations by 50%**.
- Pioneered **UI component development** with **React**, **backend integration**, and **elevated website performance**.