ANKU SHARMA

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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, Postman
- **Certifications:** Automation Testing, Java, C, CCNA Routing and Switching

WORK EXPERIENCE

Sweat Equity Systems, Florida, USA   **September 2023 - December 2023**
Software Engineer
- Devised OAuth 2.0 authorization flows with TypeScript and Google API's Client Library, while integrating the app with Gmail API; Developed asynchronous middleware for token refreshing, scope validation, and error handling
- Revolutionized the development of an event-driven notification system with Typescript, Firebase Cloud Messaging, integrated with Cloud Functions to streamline real-time communication, boosting user retention by 25%

Sweat Equity Systems, Florida, USA   **July 2023 - August 2023**
Software Engineer Intern
- Spearheaded the development of messaging system for fitness app with founder, leveraging Firebase Cloud Messaging and Twilio's SMS/WhatsApp APIs which increased daily active users by 30%
- Developed serverless Cloud Functions using TypeScript and Firebase Cloud Functions to handle incoming webhook requests from Twilio, process message payloads, and trigger appropriate actions within app's backend

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 to enforce robust authentication and authorization mechanisms, ensuring data privacy and access control; reduced unauthorized access attempts by 40% and improved 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 payment gateway
- Led team of 3 in revamping 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 automation tools: Selenium, Appium, Postman, JMeter

Delhi Transco Limited, Delhi, India   **May 2019 - July 2019**
Software Engineer Intern
- Refactored and augmented React components using hooks, memoization, and virtualization techniques, improving rendering performance by 20%
- Enhanced front-end performance by applying code splitting, lazy loading, and code minification techniques, reducing website load time by 3 seconds
- Utilized modern front-end tooling, such as Webpack, Babel, and ESLint resulting in 15% reduction in build time

ACADEMIC PROJECTS

WhatsApp Bot | Python, Flask   **December 2023 - January 2024**
- Chatbot that makes it accessible for users to search the internet and retrieve relevant information directly through WhatsApp, eliminating need for switching between applications, ensuring 95% accuracy in delivering search results
- Searches Google using the googlesearch library, and returns the top 3 results over WhatsApp using the Twilio API

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 the development of UI components with React, backend integration, optimized website performance

Virtual Mouse using Color-Code Technique | Python, OpenCV   **February 2020 - May 2020**
- Engineered an innovative OpenCV solution for a virtual mouse, employing real-time color recognition, image filtration, precise mouse actions based on color pointers from a web camera, enhanced usability and functionality