

Udeet Mittal

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TECHNICAL SKILLS

Languages: C++, JavaScript, TypeScript, Python, Java, SQL, SAS

Frameworks & Tools: React.js, Next.js, Node.js, Express.js, Spring Boot, Django, Flask, Microservices, Selenium, Cucumber, TestNG, JUnit, Jenkins

Cloud & Databases: AWS, GCP, PostgreSQL, MySQL, MS SQL Server

Core Concepts: Software Development Lifecycle (SDLC), Agile, MVC, RESTful APIs, Data Structures and Algorithms, Object Oriented Programming (OOP), SOLID Design Principles

EXPERIENCE

Software Engineer

February 2025 – Present

Aaj Ka Anand Publications

Pune, India

- Developed and maintained dynamic web interfaces using **React.js** for a news platform serving **5,000+** daily visitors, reducing page load times by **35%** and improving reader engagement metrics by **22%** through performance optimization and responsive UI design.
- Engineered RESTful APIs with **Spring Boot** integrated with **PostgreSQL** databases, enhancing article publishing workflows and decreasing editorial processing time by **40%**.
- Designed and implemented dynamic Python scripts to automate over **80%** of backend administrative workflows, significantly improving operational efficiency and reducing manual effort.

Associate

July 2024 – January 2025

Beghou Consulting

Pune, India

- Optimized large-scale data warehousing processes by implementing modular **Python, SQL, and SAS** code, achieving a **20%** reduction in processing time for major U.S. pharmaceutical clients.
- Introduced automated workflows for real-time alerting and robust error handling, reducing turnaround time for debugging by **30%**, enabling faster, data-driven decision-making through Power BI and Excel integration.

Software Intern

January 2024 – June 2024

Avaamo.ai

Bengaluru, India

- Single-handedly built a scalable, production-ready test automation framework from scratch using **Java, Selenium, Cucumber, Robot Class, Maven, and Jenkins**, reducing manual testing efforts by **60%**, resulting in faster and more reliable deployments.
- Improved API performance and stability by conducting comprehensive load testing in Postman, identifying and eliminating key bottlenecks, which led to a **30%** improvement in response times.

PRISM Research Intern

April 2023 – August 2023

Samsung R&D Institute India

Bengaluru, India

- Fine-tuned Google's T5X transformer model on proprietary datasets to identify and remediate security vulnerabilities (**CVEs**) in AI-driven code completion tools such as GitHub Copilot and Tabnine, resulting in a **17%** increase in vulnerability detection precision compared to baseline models.

EDUCATION

Manipal Institute of Technology

Karnataka, India

Bachelor of Technology - Computer Science; CGPA: 8.31/10

2020 – 2024

PROJECTS

udeet.in | *NextJS, TailwindCSS, Supabase, PostgreSQL, OAuth 2.0, Spotify Web API, Open Weather API*

- * Implemented Google and GitHub SSO, enabling seamless user authentication to send comments on the site.
- * Integrated Spotify Web API to display the currently playing or most recently played track, providing real-time music updates for users.
- * Developed a visitor counter that tracks unique IP addresses to monitor site traffic.

SLcM Bot | *Python, Selenium Webdriver, Google Apps Script*

- * A python bot that sends signed up users an email every time a new document is uploaded on SLcM, MIT Manipal's student portal, to avoid frequent human communication delays.
- * Bypasses captcha using Tesseract OCR.
- * 500+ active users at its peak across university.

SplitSense | *NextJS, TailwindCSS, Shadcn/UI, Splitwise API*

- * All your expenses across Splitwise categorized and visualized cleanly.
- * Utilizes Splitwise API for user data and Open exchange rates API for accurate currencies.