Udeet Mittal

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TECHNICAL SKILLS

Languages: C++, JavaScript, TypeScript, Python, Java, SQL, SAS
Frameworks & Tools: React.js, Next.js, Node.js, Spring Boot, Django, Selenium, Cucumber, TestNG, JUnit, Jenkins
Cloud & Databases: AWS, PostgreSQL, MySQL, MS SQL Server
Core Concepts: Software Development Lifecycle (SDLC), Agile, MVC, RESTful APIs, Data Structures and Algorithms, Object Oriented Programming (OOP)

EXPERIENCE

Software Engineer   February 2025 – June 2025
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.