

Aneek Kumar Guha

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Education

Veer Surendra Sai University of Technology

B. Tech in Information Technology

Graduation: 2025 | Burla, Odisha

CGPA: 8.01/10

Experience

Cognizant Technology Solutions | *Programmer Analyst Trainee*

May 2025 – Oct 2025

- Designed and implemented a robust BDD test automation framework using Selenium WebDriver, TestNG and Cucumber.
- Automated UI validations and form field behaviors for a university web application, improving test coverage and efficiency.
- Integrated data-driven testing using Apache POI to fetch and validate dynamic inputs from Excel sheets.
- Implemented Log4j for structured logging and enabled environment-specific parameterization for scalable testing.
- Managed and tracked test cases and subtasks in Jira, ensuring seamless traceability with Cucumber feature files.
- Actively contributed to test planning, execution, and defect reporting, aligning with client requirements and delivery timelines.

LancyFirm | *Full Stack Web Developer Intern*

Jul 2022 – Mar 2023

- Designed and integrated real-time chat functionality using WebSocket protocols and JavaScript frameworks, resulting in a 35% increase in user engagement and improved average session duration on the platform.
- Developed modular, reusable form components with custom validation using React Hook Form, improving input handling accuracy and overall form reliability.
- Implemented responsive design best practices to ensure consistent and optimized user experiences across desktop, tablet, and mobile devices.

Projects

Narad-Learn Languages with Hustlers | *MongoDB, Express.js, React.js, Node.js, Stream API, TanStack Query* [link](#)

- Engineered a full-stack MERN application integrating real-time communication features such as instant messaging, video calling, and notification using Stream API and WebSockets.
- Designed and implemented RESTful APIs with Node.js and Express.js for authentication, user management, and chat services, ensuring scalability and maintainability.
- Implemented JWT-based authentication and role-based access control (RBAC) to enhance application security and session management.
- Leveraged TanStack Query for server-state management, improving API performance and reducing redundant network calls.

Job Portal Web Application | *React.js, Next.js, Node.js, Express.js PostgreSQL, Kafka, Redis, TypeScript* [link](#)

- Built a scalable Job Portal Web App using distributed microservices, where independent services (Auth, User, Job, Upload, Payment, AI Service) communicate via Apache Kafka for high-performance event streaming.
- Developed REST APIs for authentication, user profiles, job postings, applicant tracking, subscriptions, and secure uploads.
- Integrated Razorpay for subscription billing and implemented AI-driven features like Career Guidance and Resume Analysis.
- Created responsive Next.js UI covering dashboards, authentication, job listings, and AI modules, ensuring seamless recruiter and job-seeker experience

Technical Skills

Languages: Java, C/C++, JavaScript, Python

DevOps & Tools: Git, GitHub, Postman, Jira, Jenkins (CI/CD), Docker

Web Technologies: React.js, Express.js, Node.js, TypeScript, Next.js, Framer-motion, Three.js, REST API, Redux

Computer Science Fundamentals: Data Structures, Algorithm, Object-Oriented Programming (OOP), Computer Networking

Automation & Testing Tools: Selenium WebDriver, TestNG, Cucumber (BDD), Apache POI, Log4j, Rest-Assured

AWS Services: EC2, S3, Elastic Beanstalk, EBS Volume, Lambda, RDS

Databases & Microservices: MongoDB, MySQL, PostgreSQL, Redis, RabbitMQ, Apache Kafka

Operating System: Windows, Linux

Position of Responsibilities

Entrepreneurship Cell

Technical Team Lead | Project Lead | Core Team Member

May 2022 – May 2025

VSSUT

E-SUMMIT 2023

Technical Team Lead | Core Team Member

March 2023

VSSUT